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version 5.1.6 - 2005 Compugen Ltd.		; Search time 5154 Seconds (without alignments) 10445.042 Million cell updates/sec	ccgagaagagagagagag 1111		residues	narametere. 0416466							results predicted by chance to have a to the score of the result being printed, of the total score distribution.	SUMMARIES	Description BD553890 Promoter	AX047682 Sequence BD263889 Promoter AX047681 Semience	AJ009762 Triticum AJ404845 Triticum	BX901914 Danio rer AC021823 Homo sapi AC092642 Homo sapi	BX927299 Danio rer BX001022 Zebrafish BX927400 Danio rer	bA3-7400 Danio rer BX649502 Zebrafish BX927111 Danio rer	AC128496 Rattus no AL772222 Mouse DNA AC142056 Rattus no	7 Homo se 0 Homo se

Db 1081 AGCGGTGCTTGCCGAGAAGAGAGAGAGAGAGAGAGAGAGA	AKSULT 2 AX047682 LOCUS LOCUS DEFINITION Sequence 2 from Patent W00070065. ACCESSION AX047682.1 GT:11876717	S Triticum aee ISM Triticum aee Bukaryota; V		JOURNAL Patent: WO 0070065-A 2 23-NOV-2000; INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE Location/Qualifiers 1.1111 111111	/organism="Triticum aestivum" /mol_type="unassigned DNA" /db_xref="taxon:4565"	Query Match 100.0%; Score 1111; DB 6; Length Best Local Similarity 100.0%; Pred. No. 0; Matches 1111; Conservative 0; Mismatches 0; Indels	QY 1 GAAGTCAGAAGGCCGTTCAGAATTGTTGGAGGACTCGAAAAAAAGAAGGGGAGCCCAGGC	QY 61 AGACGACGACGACGACGCCTGTTCCTTGGCGAGGCGTCTAGGTTTGGCAGCCGCGC DD 61 AGACGACGGCGCGTGTTCCTTGGCGAGGCGTCTAGGTTTTGGCAGCCGCCGC	Oy 121 CGCTTTTCTCTTGGGTGGGCGCGCGAGCTCCCCGAGTTTGAGCCGCAATTTTTTACAT	Qy 181 TITATGACGATGGCGTTTATCTAGGCGTCTTGGGGGGTACATTTGAAGATGTG Db 181 TITATGGCGATGGCGTCAGGCGTTTATCTAGGCGTCTGGGAGGGTACATTTGAAGATGTG	Qy 241 CCACCAACTCCAAACCGACAACCCTGTATCTGAGCATGCCTCATGCCTCTCATGCCTCTCATGCCTCTCATGCCTCTCATGCCTCTCATGCCTCTCATGCCTCATGCCTCTTCATGCCTCATGCTCTCATGCCTCTTCATGCCTCATGCTCTCTTCATGCCTCATGCTCTCATGCCTCATGCTCTCATGCCTCATGCCTCATGCCTCATGCCTCATGCCTCATGCCTCATGCCTCATGCCTCATGCTCATGCCATGCCTCATGCTCATGCCTCATGCCTCATGCCTCATGCCTCATGCCTCATGCCTCATGCCTCATGCTCATGCCATGCCTCATGCCCATGCCATGCCATGCCTCATGCCATGCCTCATGCCTCATGCCCATGCCATGCCATGCCATGCCATGCCATGCCATGCCATGCCATGCCATGCCATGCCATGCCATGCCATGCCATGCCA	Qy 301 TCCCTTTGGGTGAGGTCATGTGCCCTTGGCGGCAGTGGCTTCCCGTTTAGAGCAAGTAT Db 301 TCCCTTTGGGTGAGGTCATGTGCCCTTGGCGGAGTGGCTTCCCGTTTAGAGCAAGTAT	Qy 361 AATAAGTCCTAGTCAGCTGGCTATAAGATGTTCCACATCAGCAAATCCTTAAACTGGAGG	Qy 421 AGAAAGTAGGGGTGAGAGGGGGTTGGTGATCGTTAGCGTTAGCATAGCGATAGCACAAA DY 421 AGAAAGAAAGAGGGTGAGAGGGGGGTGAGGGGGGGGGG	Qy 481 GCTCCCATGGAATCGAGCCAACATGCAACCGGCACAATGACTAAAGGCAAACGCCAGCCA	Qy 541 ATCAGTATGCTTTCTCTGCATCTTTCTTCATGCAAGCATTAAATACTATAGCTAATCTA Db 541 ATCAGTATGCCTTTCTCTGCATCTTTCTTCATGCAAGCATTAAATACTATAGCTAATCTA	QY 601 CAGCCAGTTATATATATAACAGGCTATATAGCTGACCTGCCAGTGCTATAGAGCCGGCA
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/organism="Triticum aestivum"
/mol_type="genomic DNA"
/db_xref="taxon:4565"
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ive 0; Mismatches
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                                                       AAACAACAAATCCGGGCGTTCAGCAAGTCGGAATGAATTTCGGCTCATCACTCATTGTCG
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Promoter of thioredoxine TaTrxh2 in wheat Key
Exaction/Qualifiers
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intron (2327). (2420)
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Location/Qualifiers
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Promoter of thioredoxine TaTrxh2 in wheat. BD263889
BD263889.1 GI:33073657
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Triticum aestivum (bread wheat)
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Gaps

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BX901914 228676 bp DNA linear HTG 10-OCT-2004
Danio rerio clone DKEY-27F18, WORKING DRAFT SEQUENCE, 17 unordered
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Submitted (09-CT-2004) Wellcome Trust Sanger Institute, Hinxton,
Cambridgeshire, CB10 1SA, UK. B-mail enquirles:
zfish-help@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk
On Oct 10, 2004 this sequence version replaced gi:46194670.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, estinopterygii, Neopterygii, Teleostei, Ostariophysi, Cypriniformes, Cyprinidae, Danio.
1 (bases 1 to 228676)
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Chemistry: Dye-terminator; 100% of reads
Consensus quality: 222727 bases at least Q40
Consensus quality: 222737 bases at least Q40
Consensus quality: 224176 bases at least Q30
Consensus quality: 224176 bases at least Q20
Insert size: 227076; sum-of-conigs
Quality coverage: 6.94x in Q20 bases; sum-of-contigs Quality
coverage: 7.21x in Q20 bases; agarose-fp
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75383: gap of 100 bp
93589: contig of 18206 bp in length
93689: gap of 100 bp
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HTG; HTGS PHASE1; HTGS DRAFT; HTGS FULLTOP.
Danio rerio (zebrafish)
                                                                                                                   2.9%; Score 32; DB 8; L
100.0%; Pred. No. 6.6e-06;
iive 0; Mismatches 0;
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Center: Wellcome Trust Sanger Institute
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Matches 32; Conservative
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/db_xref="COA:09LDX4"
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Submitted (24-JUL-1998) Cejudo F.J., Instituto de Bioquimica
Vegetal Y Fotosintesis, Universidad de Sevilla Y CSIC, Avda Americo
Vespucio s/n, 41092-Sevilla, SPAIN
Location/Qualifiers
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Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae,
Pooideae, Triticeae, Triticum.
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E 2 (bases 1 to 629)
S Cejudo, F.J.
Direct Submission
AL Submitted (06-JUL-2000) Cejudo F.J., Instituto de Bioquimica Vegetal y Fotosintesis, Universidad de Sevilla, Avda Americo Vespucio s/n, 41092-Sevilla, SPAIN
Location/Qualifiers
Location/Qualifiers
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                                                                                                          1. . . 596
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1. . 596
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436. . . 596
/gene="thioredoxin H"
462. . 466
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Plant Mol. Biol. 46 (3), 361-371 (2001)
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Triticum aestivum (bread wheat)
Triticum aestivum
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/note="ORF"
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100 bp -
1 of 4424 bp in length
1 100 bp
g of 17192 bp in length
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179999: contig of 12657 bp in length
180099: gap of 100 bp
190992: contig of 10893 bp in length
191092: gap of 100 bp
228676: contig of 37584 bp in length.
                    100 bp
of 13496 bp in length
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of 15814 bp in length
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134137. .151328
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/clone_lib="DanioKey"
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Anderson, S., Baldwin, J., Nusbaum, C., Lander, E., Abraham, H., Allen, N., Anderson, S., Baldwin, J., Barna, N., Beckerly, R., Beda, F., Anderson, S., Baldwin, J., Barna, N., Beckerly, R., Castle, A., Choepel, Y., Colangelo, M., Collins, S., Collymore, A., Cooke, P., Choepel, Y., Colangelo, M., Collins, S., Collymore, A., Cooke, P., Choepel, Y., Corant, G., Hagos, B., Hadrond, M., Doyle, M., Fenestor, J., Ferreira, P., Fitzhugh, W., Forrest, C., Kam, L., Karatas, A., Klein, J., Landers, T., Lehoczky, J., Levines, C., Kam, L., Karatas, A., Klein, J., Landers, T., Lehoczky, J., Levines, R., Lieu, C., Liu, G., Locke, K., Macdonald, P., Marquis, N., McEwan, P., McGurk, A., McKernan, K., Mander, R., Medrim, J., Moneus, L., Mortow, J., Naylor, J., Norman, C.H., O'Connor, T., O'Donnell, P., Olivar, T., M., Peterson, K., Pierre, M., Eisani, C., Pollara, V., Raymond, C., Riley, R., Kothman, D., Stojanovic, N., Subramanian, A., Talamas, J., Teffaye, S., Theodore, J., Tirrell, A., Vassiliev, H., Viel, R., Vo, A., Wu, X., Wyman, D., Ye, W.J., Limmer, A. and Zody, M.
Direct Submission
Submitted (20-JAN-2000) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA
All repeats were identified using RepeatMasker:
Smit, A.F.A. & Green, P. (1996-1997)
http://ftp:genome.washington.edu/RM/RepeatMasker:
Center code MIER Center for Genome Center Center for Genome Washington. Mit Center for Genome Center codes MIER
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Sequencing vector: M13, M77815, 100% of reads
Sequencing vector: M13, M77815, 100% of reads
Chemietry: Dye-terminator Big Dye; 100% of reads
Assembly program: Phrap; version 0.960731
Consensus quality: 135544 bases at least Q30
Consensus quality: 140389 bases at least Q30
Consensus quality: 140389 bases at least Q30
Insert size: 153000; agarose-fp
Insert size: 1543015; sum-of-contigs
Quality coverage: 4.1 in Q20 bases; sum-of-contigs
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                                                                                                                        Length 228676;
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------ Project Information
Center project name: L5939
                                                                                                                     Query Match 2.1%; Score 26; DB 2; Length 228
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 26; Conservative 0; Mismatches 0; Indels
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Birren, B., Linton, L., Nusbaum, C. and Lander, E.
Homo sapiens chromosome 2, clone RP11-169P13
191093. .228676
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                                                                                                                                                                                                                                                                              122236 AAAAAAAAAAAAAACTGTTCAAT 122211
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AC021823.3 GI:7408019
HTG; HTGS PHASB1; HTGS_DRAFT.
Homo sapiens (human)
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NOTE: This is a 'working draft' sequence. It currently consists of 22 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as arbitrary. Gaps between the contigs are represented as This record N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.
                                                                                                                                                                                                                                                                                                                                                       Using of 4143 bp in length 18: gap of 100 bp 1: contig of 6433 bp in length 1: gap of 100 bp 2: contig of 330".
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contig of 10525 bp in length
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contig of 13437 bp in length
gap of 100 bp
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gap of 100 bp
contig of 12503 bp in length
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contig of 11514 bp in length
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contig of 4793 bp in length
gap of 100 bp
contig of 6188 bp in length
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contig of 2304 bp in length
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PRI 01-MAR-2002
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3 (bases 1 to 152251)
Waterston, R.H.
Direct Submission
Submitted (19-JUL-2001) Genome Sequencing Center, Washington
University School of Medicine, 4444 Forest Park Parkway, St. Louis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo. [1 (bases 1 to 152251)
Sulston, J.B. and Waterston, R. Toward a complete human genome sequence
Genome Res. 8 (11), 1097-1108 (1998)
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Homo sapiens BAC clone RP11-391P1 from 2, complete sequence.
AC092642 AC023761
AC092642.2 GI:15638834
HTG.
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Mulvaney, E., Abbott, A., Dixon, R., Dignan, G. and Phillips, A.
The sequence of Homo sapiens BAC clone RP11-391P1
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Pred. No. 0.24;
                                                         Query Match 2.2%; Score 24; DB Best Local Similarity 100.0%; Pred. No. 0.2 Matches 24; Conservative 0; Mismatches
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note="assembly_fragment"
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/note="assembly_fragment"
65272. .78708
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note="assembly_fragment"
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02953. .114466
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43466. .48258
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REFERENCE AUTHORS

JOURNAL

REFERENCE AUTHORS TITLE JOURNAL

COMMENT

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note="match to EST AI038041 (NID:93277235) ox29h03.x1"
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/rpt_family="L2"
12091. .12249
12098. .12249
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/rpt_family="AT_rich"
9534. .982
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/rpt_family="ERVL"
6737. .6876
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1080. 11325
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2149. .2433
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/rpt_family="(T)n"
3457. .3758
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rpt_family="(CA)n"
06. .495
rpt_family="MaLR"
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5470. 6731
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1284. .9382
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1695. .2139
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325. .3365
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1780. .6269
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3162. .3456
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9480. .9527
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.794. .1837
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759. .4066
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6367. .6448
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5300. .6363
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608. .7643
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_family="L2"
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'note="match t
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10054. .10075
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4067, 4492
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2449. 3161
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10780.
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                                                                                                                                                                              Direct Submission
Submitted (01-MAR-2002) Department of Genetics, Washington
University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA
On Sep 18, 2001 this sequence version replaced gi:14916226.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mapping information for this clone was provided by Dr. John D. Morpherson. Department of Genetics, Washington University, St. Louis MO. For additional information about the map position of this sequence, see http://genome.wwstl.edu/gsc
                                                                        Submitted (18-SEP-2001) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA (1992) (1992) (1993) (1993) (1993) (1993)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NOTICE: This sequence may not represent the entire insert of this folms. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Data from AC062033, AC061960, and AC021823 was used to finish this clone, AC023761. Polymorphisms have been identified between AC062033, AC061960, and AC023761.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NEIGHBORING SEQUENCE INFORMATION:
The clone sequenced to the left is RP11-544E11, 2000 bp overlap;
the clone sequenced to the right is RP11-710J17, 2000 bp overlap.
Actual end of this clone is at base position 19440 of RP11-710J17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequence was finished as follows unless otherwise noted:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The sequence of AC023761 has been incorporated into AC092642.
Location/Qualifiers
1. .152251
                                                                                                                                                                                                                                                                                   Center: Washington University Genome Sequencing Center
Center code: WUGSC
Web site: http://genome.wustl.edu/gsc
Contact: sapiens@wastson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                         Center project name: H_NH0391P01
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
/chromosome="2"
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/clone_lib="RPCI-11"
4. .169
                                                                                                                                                                                                                                                                   Genome Center
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             4 (bases 1 to 152251)
Waterston, R.H.
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                                                      irect Submission
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                                                                                                                                                             Waterston, R.
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This

ox29h03.x1"

yd53a07.rl"

(NID:9712878)

misc_feature

4. .169 /rpt_family="MaLR"

repeat_region

FEATURES

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BX001022 160804 bp DNA linear VRT 11-OCT-2003
Zebrafish DNA sequence from clone CH211-243019, complete sequence.
BX001022
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Danio rerio
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Ostariophysi;
Insert size: 154454; sum-of-contigs
Insert size: 158561; 1.9$ error; agarose-fp
Quality coverage: 11.18x in Q20 bases; sum-of-contigs Quality
coverage: 10.90x in Q20 bases; agarose-fp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                           NOTE: This is a 'working draft' sequence. It currently consists of 7 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.
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/db_Xref="teaxon: 7955"
/db_Xref="teaxon: 7955"
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fragment chain: 1"
33757...51099
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fragment chain: 1"
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fragment chain: 1"
/note="absembly fragment: 02382
fragment chain: 2"
/note="absembly fragment: 02382
fragment chain: 2"
/note="absembly fragment: 01606
fragment chain: 2"
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116622. 147668
/note="assembly_fragment:01071"
147769. 155054
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Best Local Similarity 100.0%; Pred. No. 0.24;
Matches 24; Conservative 0; Mismatches
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                                                                                                  * NOTE: This
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116692
147669
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LOCUS
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Danio rerio clone DKEY-146H10, WORKING DRAFT SEQUENCE, 7 unordered
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Heath, P.
Direct Submission
Submitted (07-007-2004) Wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, CB10 18A, UK. E-mail enquiries:
Zfish-help@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk
On Oct 9, 2004 this sequence version replaced gi:52313301.
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Actinopterygii; Neopterygii; Teleostei; Ostariophysi;
Cypriniformes; Cyprinidae; Danio.
1 (bases 1 to 155054)
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'note="match to EST T84526 (NID:g712878) yd53a07.r1"
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HTG; HTGS PHASE1; HTGS ACTIVEFIN; HTGS_DRAFT; HTGS_FULLTOP.
Danio rerio (zebrafish)
Danio rerio
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Chemistry: Dye-terminator; 100% of reads
Consensus quality: 153838 bases at least
Consensus quality: 153985 bases at least
Consensus quality: 154096 bases at least
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100.0%; Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /rpt_family="MER1_type"
22507. .22594
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22644. .23228
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                                                                           /rpt_family="L2"
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15831. 15898
/rpt_family="(TG) n"
                                                                                                                                                                                                                                                                                                                     rpt_family="AT_rich"
0300. .20413
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18502. 1851
/rpt family="L2"
19347. 19607
20299. 20328
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0821. .21353
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1356. 21468
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Best Local Similarity 100..
--hes 24; Conservative
                    repeat_region
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AUTHORS
TITLE
JOURNAL
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VRT 06-DEC-2003
                                                                                                                          Submitted (08-OCT-2004) Wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, CB10 1SA, UK. B-mail enquiries: zfish-help@eanger.ac.uk Clone requestes: clonerequest@eanger.ac.uk On Sep 9, 2004 this sequence version replaced gi:51592026.
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Danio rerio
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Actinopterygii; Neopterygii; Teleostei; Ostariophysi;
Cypriniformes; Cyprinidae; Danio.
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Zebrafísh DNA sequence from clone DKEY-204F11 in linkage group 3,
Complete sequence.
BX649502
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Assembly program: XGAP4; version 4.5
Consensus quality: 184890 bases at least Q40
Consensus quality: 185061 bases at least Q30
Consensus quality: 185152 bases at least Q30
Insert size: 185217; sum-of-contigs
Insert size: 210440; 38 % error; agarose-fp
Quality coverage: 9.78x in Q20 bases; sum-of-contigs Quality
coverage: 8.61x in Q20 bases; agarose-fp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   * NOTE: This is a 'working draft' sequence. It currently consists of 1 contigs. Gaps between the contigs are represented as runs of N. The order of the pieces is believed to be correct as given, however the sizes of the gaps between them are based on estimates that have provided by the submittor.

* provided by the submittor.

* This sequence will be replaced

* by the finished sequence as soon as it is available and

* the accession number will be preserved.

* Location/Qualifiers
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/note="assembly_fragment:02923
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                                                                                                                                                                                                                                                                                                                                              /organism="Danio rerio"
mol_type="genomic DNA"
dD_xref="texon:7955"
/clone="GHZ11-195K18"
/clone_lib="CHORI-211"
      Cypriniformes; Cyprinidae; Danio.
1 (bases 1 to 185217)
Ellwood,M.
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vector_side:left"
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                                                                                                Direct Submission
                                                                                                                                                                                                                                                                                                                    Center code: SC
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Best Local Similarity
Matches 24; Conserv
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BX649502/c
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AUTHORS
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                                                                                                                                                                                                                                                                                                                                                                                                                     During sequence assembly data is compared from overlapping clones. Where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variation annotation may not be found in the sequence submission corresponding to the overlapping clone, as we submit sequences with only a small overlap as described above.

This sequence was finished as follows unless otherwise noted: all regions were either double-stranded or sequenced with an alternate chemistry or covered by high quality data (i.e., phred quality; set of plasmid subclone stranded or sequencing problems, such as compressions and repeats; all regions were covered by at least one plasmid subclone or more than one M13 subclone; and the assembly was confirmed by restriction digest, except on the rare occasion of the clone being a YAC.

The following abbreviations are used to associate primary accession numbers given in the feature table with thair source databases:

Em:, FNBL; Sw:, SWISSROT; Tr:, TREMBL; Wp:, WORMPEP; Information on the WORMPEP database can be found at http://www.asnger.ac.uk/Projects/C elegans/wormpep Clone-derived Zebrafish pUC subclones occasionally display inconsistency over the length of mononucleotide A/T runs and conserved TA repeats. Where this is found the longest good quality representation will be account and an element and conserved TA repeats. Where an element and an element and element and an element and conserved TA repeats. Where an element and an element 
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BX927400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     those
                                                                             Direct Submission
Submitted (11-OCT-2003) Wellcome Trust Sanger Institute, Hinxton,
Cambridgeshire, CB10 1SA, UK. E-mail enquiries:
zfish-help@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk
On Oct 13, 2003 this sequence version replaced gi:35209032.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Repeat names beginning 'Dr' were identified by the Recon repeat discovery system (Zhirong Bao and Sean Eddy, submitted), and those beginning 'dr' were identified by Rick Waterman (Stephen Johnson lab, WashU). For further information see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BAS27400.6 GI:51965253
HTG; HTGS_PHASE2; HTGS_ACTIVEFIN; HTGS_DRAFT; HTGS_FULLTOP.
Banio rerio (zebrafish)
Danio rerio
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Ostariophysi;
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CH211-243019 is from a CHORI-211 BAC library
VECTOR: pTARBAC2.1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2.2%; Score 24; DB 5; Length 160804; 100.0%; Pred. No. 0.24; 0; Mismatches 0; Indels 0
                                                                                                                                                                                                                                                                          Center: Wellcome Trust Sanger Institute
                                                                                                                                                                                                                                                                                                              Center code: SC
Web site: http://www.sanger.ac.uk
Contact: zfish-help@sanger.ac.uk
Cypriniformes; Cyprinidae; Danio. 1 (bases 1 to 160804)
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/db_xref="taxon:7955"
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/clone_lib="CHORI-211"
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Gaps

VERSION

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Insert size: 262069; sum-of-contigs
Insert size: 249466; 4.6% error; agarose-fp
Quality coverage: 8.81x in Q20 bases; sum-of-contigs Quality
coverage: 9.36x in Q20 bases; agarose-fp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NOTE: This is a 'working draft' sequence. It currently consists of 12 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8820: gap of 100 bp
8820: gap of 100 bp
34299: contig of 25379 bp in length
34299: gap of 100 bp
61537: contig of 27238 bp in length
61637: gap of 100 bp
82341: contig of 20704 bp in length
82441: gap of 100 bp
113587: contig of 31146 bp in length
113687: gap of 100 bp
11369: contig of 3702 bp in length
117489: gap of 100 bp
16955: contig of 52464 bp in length
170653: gap of 100 bp
191893: contig of 21840 bp in length
191993: gap of 100 bp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 contig of 40109 bp in length
gap of 100 bp
contig of 3510 bp in length
gap of 100 bp
contig of 20502 bp in length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gap of 100 bp
contig of 6755 bp in length.
                                                                                                                                                                                                                                                                                                                                                 Assembly program: XGAP4; version 4.5
Chemistry: Dye-terminator; 100% of reads
Consensus quality: 260222 bases at least Q40
Consensus quality: 260911 bases at least Q30
Consensus quality: 261370 bases at least Q20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9821. .34199
/note="assembly fragment:01606
fragment chain:1"
34300. .5153/
/note="assembly fragment:01245
fragment_chain:1"
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                                                                                                                                                                                                                                                         Cypriniformes; Cyprinidae; Danio.
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/organism="Danio rerio"
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/db xref="taxon:7955"
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Location/Qualifiers
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note="assembly
                        (bases 1 to 263169)
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117389:
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                                                                      Direct Submission
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                                              Sims, S.
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                                                                                                                                                                   COMMENT
                                                                      TITLE
                                                                                                                                                                                                                                                                                                                    Uniting sequence assembly data is compared iron overlapping clones. Where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variation annotation and not be found in the sequence submission corresponding to the overlapping clone, as we submit sequences with only a small overlap as described above.

This sequences submission in the sequence with an alternate chemistry or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by at least one plasmid subclone or more than one M13 subclone; and the assembly was confirmed by restriction digest, except on the rare occasion of the clone being a YAC.

The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases:

Em: SEMEL; Sw.; SWISSPROT; Tr.; TREMBL; WP.; WORNEP; Information on the WORNEPE database can be found at http://www.sanger.ac.uk/Projects/C elegans/wormepp Clone-derived length of monouncleotide A/T runs and conserved Th repeats. Where this is found the longest good quality representation will be submitted.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                http://www.sanger.ac.uk/Projects/D_rerio/fishmask.shtml DKEY-204F11
is from a Zebrafish BAC library
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Danio rerio clone DKEY-54Kl3, *** SEQUENCING IN PROGRESS ***, 12
unordered pieces.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Repeat names beginning 'Dr' were identified by the Recon repeat discovery system (Zhirong Bao and Sean Eddy, submitted), and those beginning 'drr' were identified by Rick Waterman (Stephen Johnson lab, washU). Por further information see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BX927111.5 GI:46237716
HTG; HTGS PHASE1.
Danio rerio (zebrafish)
Danio rerio (zebrafish)
Danio rerio (zebrafish)
Actinopterygii; Neopterygii; Teleostei; Ostariophysi;
                                                                                          Cambridgeshire, CB10 1SA, UK. B-mail enquiries:
zfish-help@sanger.ac.uk Clone requests: clonerequest@sanger.ac.uk
On Dec 6, 2003 this sequence version replaced gi:38201304.
                                                                                                                                                                                                                                                                                                          During sequence assembly data is compared from overlapping clones
                                                                      Submitted (06-DEC-2003) Wellcome Trust Sanger Institute, Hinxton,
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                                                                                                                                                                                     Center: Wellcome Trust Sanger Institute
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                                                                                                                                                                                                                                   Web site: http://www.sanger.ac.uk
Contact: zfish-help@sanger.ac.uk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1. .247387
/organism="Danio rerio"
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/db xref="taxon:7955"
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/clone lib="DanioKey"
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(bases 1 to 247387)
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                      Whitehead, S.
Direct Submission
                                                                                                                                                                                                                  Center code: SC
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BX927111/c
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Direct Submissation

Submitted (19-NOV-2002) Human Genome Sequencing Center, Department of Nolecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
On Nov 19, 2002 this sequence version replaced gi:23907748.
The sequence in this assembly is a combination of BAC based reads and whole genome shotgun sequencing reads assembled using Atlas and whole genome shotgun sequencing reads assembled using Atlas and whole genome contig-scaffold.

In the feature table below represents a scaffold in the Atlas assembly (a 'contig-scaffold'). Within each contig-scaffold, individual sequence contigs are ordered and oriented, and separated by sized gaps filled with Ns to the estimated size. The sequence may extend beyond the ends of the clone and there may be sequence contigs within a contig-scaffold that consist entirely of whole genome shotgun sequence reads. Both end sequences and whole genome shotgun sequence only contigs will be indicated in the feature table.
Karpathy, S., Kelly, S., Kelly, S., Khan, Z., King, L., Kovar, C., Isu, J., Liu, J., Liu, W., Liu, Y., London, P., Longacre, S., Lopez, J., Liu, J., Liu, W., Liu, Y., London, P., Longacre, S., Lopez, J., Lorensuhewa, L., Loulseged, H., Lozado, R.J., Lu, X., Ma, J., Manidartne, M., Martin, K., Martin, R., Navel, R., Perez, L., Perez, R., Perez, L., Perankoch, C., Palankoch, C., Rodewin, R., Perez, L., Perez, R., Peloper, R., Reigh, R., Reilly, B., Reilly, M., Ren, Y., Rese, M., Rese, M., Saver, G., Scher, A., Popovic, D., Frimus, R., Riggs, F., Rives, C., Rodewy, T., Rojs, A., Saver, G., Scher, S., Scott, G., Shatsman, S., Shen, H., Shetty, J., Shvartsbeyn, A., Sisson, I., Sitter, C.D., Smajs, D., Shetty, J., Strong, R., Suter, S., Sorelle, R., Strong, R., Suter, S., Tapor, P., Tapor, T., Thomas, N., Thomas, S., Tingey, A., Trejos, Z., Usmani, K., Valas, R., Vera, V., Villasana, D., Walden, M., Walze, R., Warten, Y., Warten, Y., Waith, P., Waith, R., Waith, D., Wiight, R., Walse, R., Smith, D., Wiight, R., Waith, D., Wiight, R., Waith, D., Wiight, R., Waith, D., Waith, R., Smith, D., Williams, G., Waith, D., Waith, R., Smith, D., R., Shith, D., Waith, R., Shith, R., Smith, D., Waith, R., Shith, R., Smith, D., Waith, R., Shith, R., Smith, D., Waith, R., Shith, R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Worley, K.C.
Direct Submission
Submitted (19-JUD-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
3 (bases 1 to 291544)
Rat Genome Sequencing Consortium.
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Contact: hgsc-help@bcm.tmc.edu
------ Project Information
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae;
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100.0%; Pred. No. 0.24;
iive 0; Mismatches 0; Indels 0
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AC128496.3 GI:25085139
HTG; HTGS_PHASE1; HTGS_DRAFT; HTGS_FULLTOP.
                                                                                                                                                                                                                                             fragment chain: 1"
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177490. _16993
177490. _16993
170054. _191893
170054. _191893
170054. _191893
170054. _202102
191994. _202102
170056 = assembly fragment: 02450
fragment chain: 1"
191994. _202102
170056 = assembly fragment: 02450
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Matches 24; Conservative
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NOTE: This is a 'working draft' sequence. It currently consists of 3 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.
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288507 288606; gap of unknown length
288507 289949; contig of 1343 bp in length
28950 29049; gap of unknown length
280950 291544; contig of 1495 bp in length
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Search completed: August 29, 2005, 04:52:49 Job time : 5169 secs

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Title: Perfect score:

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Abd33381 Human Can
Abz64451 Human Den
Aa18578 Human Den
Aa185788 Human Dol
Aa958941 Human Col
Aa958941 Human Col
Aav89657 EST Clone
Ach22705 Human Col
Aa836746 Human Car
Ad108858 Human Car
Ad108858 Human Car
Ad108859 Human Car
Ad108297 Plant tra
Ad002953 Soybean O
Ann92902 Breast Ca
Acn38938 Tumour-as
Acn38938 Tumour-as
Acn38938 Tumour-as
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response to abscisic acid"
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Abv27546 Human pro
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Ab186321 Human ova
Ab18648 Human ova
Ad162118 Human ova
Ad162118 Human ova
Ad162118 Human ova
Ad24900 Human sec
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Aac72818 Rice gene
Aaf71551 Human cer
Aaf72880 Human pro
Aba72889 Human pro
Abv25695 Human pro
Abv26699 Human pro
                                                                  August 29, 2005, 00:19:31; Search time 701 Seconds (without alignments) 9382.072 Million cell updates/sec
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           GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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                                                 nucleic search, using sw model
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 to control gene expression in transgenic plants (particularly monocotyledons) or plant cells, especially for seed-specific particularly in the amylaceous albumen
                                                                          Sequence 2687 BP; 638 A; 626 C; 690 G; 733 T; 0 U; 0 Other;
                                                                                                                                                     0; Indels
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                                                                                                                Query Match 100.0%; Score 1111; Best Local Similarity 100.0%; Pred. No. 0; Matches 1111; Conservative 0; Mismatches
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               'tag= g
'bound_moiety= "basic helix-loop-helix transcription actor"
label= bHLH_recognition_motif
                                                                                                                                                                                                                                                                                                                     **tag= k
function= "involved in aleurone layer-specific gene
axpression"
loll. . .
                                                                                                                                                                                                        function= "involved in aleurone layer-specific gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New promoter from a wheat thioredoxin gene, useful for controlling transgene expression in plants, provides seed-specific expression.
                                                                                                                                                                                                                                                                                                                                                                                                                     "Sp1 transcription factor"
                                                                                                            *tag= h
bound_moiety= "leucine zipper proteins"
bound_moiety= "leucine zipper proteins"
001. .1003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (5'site:YES, 3'site:NO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   product= "thioredoxin h2"
note= "CDS contains introns"
232. .2202
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"TATA-like box"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 2; Page 28-30; 34pp; French
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        <u>ц</u>
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/gene= "TaTrxh2"
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/bound moiety= "
/label= GC box
1047. .1231
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/number= 1
1112. .2557
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/*tag= p
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/*tag= q
/number= 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2001-016241/02.
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protein bind
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                                                                                        protein_bind
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Pred. No.

Best Local Similarity

Matches

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and immunostimulants; and a polymeptide (III) of a ovarian tumour polymeptide encoded by a polymucleotide (III) having a cDNA sequence (S1) from the 10912 nucleotide sequence (S2), a T cell population of (II) action the 10912 nucleotide sequence (S2), a T cell population of (II), or antigen presenting cells that express (II). (I) has cytostatic activity. An oligonucleotide (IV) that hybridises to (S1) can be used for detecting ovarian cancer in a patient's biological sample preferably serum or ovarian tissue. The method comprises contacting a biological sample from a patient with (IV), detecting the amount of polymicleotide hybridising to (IV) and comparing the amount to a predetermined cutoff value and thereby detecting ovarian cancer in the patient, where the amount of polymicleotide hybridising to (IV) is detected preferably by polymerase chain reaction (PCR). (I) comprising (III) and/or (II) is useful for stimulating and/or expanding T cells specific for an ovarian tumour protein comprising contacting T cells with (III) or (III) is useful in design and preparation of ribozyme molecules for inhibiting expression of the tumour polypeptides and proteins in tumour colls; and the individual contacting a suitable library e.g., a tumour cDNA
                                      961 TAGCGAGCGCATAAATTCTGATTCCTGCCTGCCGGACAATTTATCTTTGGGGAGGC 1020
                                                                                                                 1021 GGGCCGGGATTGGAGACAGAGCCCACAAGACAACAACAAGTGCGCGTGAGAAATCAACA 1080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              present invention describes a composition (I) comprising: carriers
                                                                               GGGCCGGGATTGGAGACAGAGCCCACACAAGGCAACAACAAAGTGCGCGTGAGAAATCAACA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ovarian cancer; ovarian tumour; cytostatic; gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                  Human ovarian cancer related cDNA clone SEQ ID NO:9430.
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                                                                                                                                                                                   1081 AGCGGTGCTTGCCGAGAAGAGAGAGAGAGAG 1111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; SEQ ID NO 9430; 489pp; English.
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961
                                                                                                                                                                                                                                                                                                                                                 ABL86452;
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DB 6; Length 141;

2.0%; Score 22;

Query Match

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The present invention describes a composition (I) comprising: carriers and immunostimulants; and a polypeptide (II) of a ovarian tumour concled by a polymercetide (III) having a cDNA sequence (SI) from the 10912 nucleotide sequences as given in ABL77023 to ABL87934, (III) encoding (II) having a sequence (S2), a T cell population of (II), correction presenting cells that express (II). (I) has cytostatic cartivity. An oligonucleotide (IV) that hybridises to (SI) can be used for activity. An oligonucleotide (IV) that hybridises to (SI) can be used for activity. An oligonucleotide (IV), detecting the amount of polymucleotide from a patient with (IV), detecting the amount of polymucleotide hybridising to (IV) and comparing the amount to a predetermined cutoff value and thereby detecting ovarian cancer in the patient, where the amount of polymucleotide hybridising to (IV) is detected preferably by polymucleotide hybridising to (IV) is detected preferably by colymerase chain reaction (PCR). (I) comprising (III) and/or (II) is useful for stimulating and/or expanding T cells specific for an ovarian tumour protein comprising contacting T cells with (III) or (III) is cuseful in design and preparation of riboxyme molecules for inhibiting expression of the tumour polypeptides and procesins in tumour colnic contacting contacting a suitable library e.g., a tumour colni
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Pred. No. 2;
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                                                                                                                                                                                                                                                                                                                                              Human; ovarian cancer; ovarian tumour; cytostatic; gene;
                                                                                                                                                                                                                                                                                                          Human ovarian cancer related cDNA clone SEQ ID NO:9165.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 144 BP; 61 A; 26 C; 46 G; 11 T; 0 U; 0 Other;
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             red. No. 2;
Mismatches
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                                                                                         98 AGCCTAAAAAAAGAAAAAAA 119
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100.08; P1.
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                                                                  862 AGCCTAAAAAAAAAAAAAAA
                                                                                                                                                                                               ABL86187 standard; cDNA; 144
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                              22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Harlocker
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88.

ovarian cancer; ovarian tumour; cytostatic; gene;

Human;

Human ovarian cancer related cDNA clone SEQ ID NO:9926.

17-MAY-2002 (first entry)

ABL86948;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or T cell expressing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Composition for therapy and diagnosis of ovarian cancer comprising
                                                                                                                                                                                                         Human; ovarian cancer; ovarian tumour; cytostatic; gene; ss.
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                                                                                                                                                                         Human ovarian cancer related cDNA clone SEQ ID NO:9299.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; SEQ ID NO 9299; 489pp; English.
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                                                                   BP.
                                                               ABL86321 standard; cDNA; 154
                                                                                                                                                                                                                                                                                                                                                        29-MAY-2001; 2001WO-US017756.
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                                                                                                                                     17-MAY-2002 (first entry)
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Best Local Similarity
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                                                                                                   ABL86321;
                            RESULT 4
                                                ABL8632
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Composition for therapy and diagnosis of ovarian cancer comprising polypeptide of a ovarian tumor polypeptide, polynucleotide encoding polypeptide, antibody specific to polypeptide or I cell expressing

Jones R;

Harlocker SL,

Algate PA,

WPI; 2002-122075/16.

(CORI-) CORIXA CORP.

29-MAY-2001; 2001WO-US017756. 26-MAY-2000; 2000US-0207484P.

WO200192581-A2. Homo sapiens.

06-DEC-2001.

Claim 1; SEQ ID NO 9926; 489pp; English.

polypeptide.

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The present invention describes a composition (I) comprising: carriers and immunostimulants; and a polypeptide (II) of a ovarian tumour polypeptide encoded by a polypucleotide (III) having a cDNA sequence (SI) from the 10912 nucleotide sequences as given in ABL77023 to ABL87934, (III) encoding (II) having a sequence (S2), a T cell population of (II), or antigen presenting cells that express (II). (I) has cytostatic cativity. An oligonucleotide (IV) that hybridises to (S1) can be used for detecting ovarian tissue. The method comprises contacting a biological sample from a patient with (IV), detecting the amount of polynucleotide (SV) and comparing the amount of polynucleotide (SV) and comparing the amount of polynucleotide hybridising to (IV) is detected preferably by colymerase chain reaction (PCR). (I) comprising (III) and/or (II) is useful for stimulating and/or expanding T cells specific for an ovarian cumour protein comprising contacting T cells with (III) or (III) is useful in design and preparation of ribozyme molecules for inhibiting contacting in tumour cells; and contacting and proteins in tumour cells; and contacting expression of the tumour polypeptides and proteins in tumour cells; and contacting the solutions of the tumour cells; and contacting and proteins a ultipary e.g., a tumour cDNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 22; DB 6; Length 213;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seguence 213 BP; 79 A; 45 C; 70 G; 19 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2.1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human ovarian cancer DNA marker #20330.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         862 AGCCTAAAAAAAAAAAAA 883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   163 AGCCTAAAAAAAAAAAAAAA 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL62118 standard; DNA; 1074 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2.0%;
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Matches 22; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL62118,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT
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Gaps

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Indels

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100.0%; Pred. No. 2; ative 0; Mismatches

Conservative

862 AGCCTAAAAAAAAAAAAA 883 AGCCTAAAAAAAGAAAAAAAA 133

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112

Ŋ ABL86948 ID ABL8 XX

RESULT

ABL86948 standard; cDNA; 213 BP.

Drosophila melanogaster expressed polynucleotide SEQ ID NO 25652. Drosophila; developmental biology; cell signalling; insecticide;

pharmaceutical; gene; ss.

Drosophila melanogaster.

WO200171042-A2.

27-SEP-2001.

(first entry)

26-MAR-2002

ABL10390;

ABL10390 standard; cDNA; 24935 BP.

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ABL10390/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to nucleic acid markers which are overexpressed in ovarian cancer cells as compared to their expression in normal (i.e. noncancerus) ovarian cells. The invention also relates to polypeptides encoded by the markers, antibodies that selectively bind to the encoded by the markers, antibodies that selectively bind to the encoded by the markers, antibodies that selectively bind to the corresponding to a marker of the invention and a method of treating a corresponding to a marker of the invention and a method of treating a patient afflicted with ovarian cancer comprising providing to cells of the patient an antisense oligonuclectide complementary to a marker of the invention. The markers are useful for assessing if a patient is afflicted with ovarian cancer, which involves comparing the level of expression of a marker in a control non-ovarian cancer. The level of expression of the capression levels indicates ovarian cancer. The level of expression of a marker corresponds to a secreted protein or to a transcribed capted or its portion. The level of expression of the marker corresponding to the marker. The presence of protein or protein fragment is detected using an antibody that specifically binds with the protein or protein fragment. Alternatively, the level of expression of the marker is assessed by detecting the presence of a transcribed comprising the marker or anneals with a portion of the polynucleotide comprising the marker or anneals with a portion of the patient which involves detecting expression of the marker is also used for monitoring the prosession of the marker is also used for monitoring the presence or anneals at a first point in time, repeating the method at a subsequent clime and comparing the level of expression. The method is carried out time and comparing the level of expression. The method is carried out time and comparing the level of expression of the marker is also used for monitoring response of a transcribed or the polymore or an alibody of the himse varian respective 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel isolated nucleic acid molecules (markers) overexpressed in ovarian cancer cells as compared to their normal non-cancerous ovarian cells are used to characterize stage, grade, histological type of ovarian cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sequence represents a human ovarian cancer DNA marker of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1074 BP; 194 A; 278 C; 290 G; 300 T; 0 U; 12 Other;
Human; ovarian cancer; ds; tumour; cytostatic; DNA marker.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 20330; 106pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               (MILL-) MILLENNIUM PREDICTIVE MEDICINE INC.
                                                                                                                                                                                                                21-MAR-2001; 2001WO-US009126
                                                                                                                                                                                                                                                                                             2000US-0207124P.
2000US-0211940P.
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                                                                                                      WO200170979-A2.
                                                      Homo sapiens.
                                                                                                                                                                                                                                                                                                                         15-JUN-2000;
07-JUL-2000;
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New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell

EK.

Myers

PWD,

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Venter JC, Adams M, WPI; 2001-656860/75.

P-PSDB; ABB66287

interactions.

(PEKE) PE CORP NY.

23-MAR-2001; 2001WO-US009231 23-MAR-2000; 2000US-0191637P. 11-JUL-2000; 2000US-00614150. Claim 1; SEQ ID NO 25652; 21pp + Sequence Listing; English.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Expressed sequence tag; secreted protein; haematopolesis regulator; tissue growth; activin; inhibin; tumour invasion suppressor; EST; human; chemotaxis; chemokinesis; haemostasis; gene therapy; thrombolysis; receptor; ligand; anti-inflammatory; tumour inhibitor; ds.
The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA sequences (ABL16176-ABL30511), expressed DNA sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                       Sequence 24935 BP; 7255 A; 5321 C; 5280 G; 7079 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                         2.0%; Score 22; DB 4; Length 24935;
100.0%; Pred. No. 2.4;
ive 0; Mismatches 0; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12697 AAGAAAAAAAACTGTTCAATC 12676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      872 AAGAAAAAAAACTGTTCAATC 893
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAV86132 standard; cDNA; 377 BP.
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les 22; Conservative
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Matches
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Gaps

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2.0%; Score 22; DB 5; Length 1074; 100.0%; Pred. No. 2.2; ive 0; Mismatches 0; Indels

Conservative

Best Local Similarity Matches 22; Conserv

Query Match

867 AAAAAAGAAAAAAACTGTT 888

427

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The present sequence is one of a large number of 5' ESTs derived from mRNAs encoding secreted proteins. No ORF has yet been conclusively identified within the present sequence. The 5' ESTs were prepared from total human RNAs or polyA+ RNAs derived from 30 different tissues. EST sequences usually correspond mainly to the 3' untranslated region (UTR) of the mRNA because they are often obtained from Oilgo-dry primed CDNA libraries. Such ESTs are not well suited for isolating cDNA sequences derived from the 5' ends of mRNAs and even in those cases where longer CDNA sequences have been obtained, the full 5' UTR is rarely included. S' ESTs are derived from mRNAs with intact 5' ends and can therefore be used to obtain full length cDNAs with intact 5' ends and can therefore be used to obtain full length cDNAs and genomic DNAs. 5' ESTs are also used in diagnostic, forensic, gene therapy and chromosome mapping procedures.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Cervical cancer; cytostatic; pre-malignant condition; gene therapy; ss.
                                                                                                                           New nucleic acid that is a 5' expressed sequence tag (5' EST) for obtaining cDNAs and genomic DNAs that correspond to 5'ESTs and for diagnostic, forensic, gene therapy and chromosome mapping procedures.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 are used to obtain upstream regulatory sequences and to design
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                                                                                                                                                                                                                                                             Claim 1; SEQ ID NO 28975; 71pp + Sequence Listing; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 403 BP; 141 A; 68 C; 60 G; 128 T; 0 U; 6 Other;
      Giordano J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human cervical cancer marker nucleic acid 2825.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (MILL-) MILLENNIUM PREDICTIVE MEDICINE INC.
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   Duclert A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 1; Page 579; 1051pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Berger A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            expression and secretion vectors
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14-MAR-2000; 2000US-018915P.
12-MAY-2000; 2000US-0210600P.
09-JUN-2000; 2000US-0210600P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAH71551 standard; cDNA; 621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        08-DEC-2000; 2000WO-US03312.
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   Dumas Milne Edwards J,
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                                                                  WPI; 2000-500381/45
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-JUN-2001.
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   NAME OF THE PROPERTY OF THE PR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              This sequence represents an expressed sequence tag (EST), and is a polynucleotide of the invention. The polynucleotides of the invention are all secreted EST sequences isolated from a variety of human tissue sources. The EST sequences and proteins encoded by them are predicted to have useful biological activities which would make them suitable for treating, preventing or ameliorating medical conditions in humans and animals, although no supporting data is given. Suggested activities include nutritional activity, immune stimulating or suppressing activity,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     haemacopoiesis regularing activity, tissue growth activity, activity, activity, inhibin activity, chemotactic/chemokinetic activity, haemostatic and thrombolytic activity, receptor/ligand activity, anti-inflammatory activity, cadherin/tumour invasion suppressor activity, tumour inhibition activity. The EST sequences are also stated to be useful for gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human, 5' EST; expressed sequence tag; secreted protein; cDNA isolation;
gene therapy; chromosome mapping; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 from e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                     Treacy M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          proteins - derived fro
testes, brain, ovary,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 377;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New polynucleotides encoding human secreted proteins
human blood, kidney, foetal lung, placenta, testes, b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted protein 5' EST, SEQ ID NO: 28975.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6.8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        human blood, kidney, foetal lung, placenta, pituitary, retina and colon cDNA libraries.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.9%; Score 21;
100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                 Lavallie ER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 863 GCCTAAAAAAAAAAAAA 883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; Page 132; 633pp; English
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                                                                                                                                                                                          98WO-US006954.
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                                                                                                                                                                                                                                                                                                                                                                                                                   Spaulding V, Agostino MJ;
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                                                                                                                                                                                                                                                                                                                  (GEMY ) GENETICS INST INC.
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                                                                                                                                                                                                                                                                                                                                                                                 Mccoy JM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-070076/06.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
Matches 21; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GEST ) GENSET
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                                                                                                                                                                                                                                                      10-APR-1997;
Homo sapiens
                                                        WO9845435-A2
                                                                                                                                                                                       10-APR-1998;
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                                                                                                                           15-0CT-1998
                                                                                                                                                                                                                                                                                                                                                                                 Jacobs K,
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neuroprotective; cytostatic; cardioactive; immunomodulatory; muscular; unlearary; gastrointestinal; nephrotropic; antiinfective; gynaecological; antibacterial; gene therapy; neural; immune; reproductive; gracological; gastrointestinal; pulmonary; cardiovascular; proliferative disorder; wound; infectious disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Prostate cancer associated gene sequences, referred to as prostate cancer antigens, useful for treatment, prevention, and diagnosis of disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAF15566 to AAF16505 encode the human prostate cancer associated proteins, called prostate cancer antigens, given in AAB5363 to AAB57302. The prostate cancer antigens can have neuroprotective, cytostatic, cardioactive, immunomodulatory, muscular, vulnerary, gastrointestinal, and can be used in gene therapy. The prostate cancer antigen polynucleotides may be used for detection of prostate cancer, chromosome identification, as chromosome markers, and for numerous other diagnostic or research purposes. The prostate cancer antigens may be used to treat disorders such as neural, immune, muscular, reproductive, gastrointestinal, pulmonary, cardiovascular, renal, and proliferative
                                                                     cervical cancer or has a pre-malignant condition; to monitor the progression of cervical cancer or a premalignant condition in a patient; and to select and/or assess the efficacy of a compound or therapy for inhibiting cervical cancer in a patient. The nucleic acids may also be useful for gene therapy
                                cervical cancer with cytostatic activity. The nucleic acids and encoded polypeptides are useful: to assess if a patient is afflicted with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 prostate cancer; prostate cancer antigen; detection; diagnosis;
                     associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human prostate cancer antigen nucleotide sequence SEQ ID NO:630.
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                                                                                                                                                                                                                        1.9%; Score 21; DB 4; Length 621;
                                                                                                                                                                                                                                                            0; Indels
                 genes (AAH68727-AAH73383)
                                                                                                                                                                                   Sequence 621 BP; 273 A; 63 C; 47 G; 238 T; 0 U; 0 Other;
                                                                                                                                                                                                                                           6.9;
                                                                                                                                                                                                                                         100.0%; Pred. No. 6.5
ive 0; Mismatches
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                                                                                                                                                                                                                                                                                                 864 CCTAAAAAAAAAAAAAAAC 884
                                                                                                                                                                                                                                                                                                                                    CCTAAAAAAAAAAAAAAAC 621
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                   novel
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                     relates to
                                                                                                                                                                                                                                                          21; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2000-587513/55.
                                                                                                                                                                                                                                         Local Similarity
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disorders, wounds, and infectious diseases. AAF16506 to AAF16514 to AAB57303 represent sequences used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Identifying at least one gene involved in plant resistance or response pathogenic infection for conferring resistance or tolerance to a plant bacterial, fungal or viral infection by determining or detecting plant
                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                      Plant; bacterial infection; fungal infection; viral infection; rice;
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T, Zou
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                                                                                     DB 3; Length 1097; 7;
                                                        Sequence 1097 BP; 301 A; 204 C; 201 G; 389 T; 0 U; 2 Other;
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Zhu T,
                                                                                                                    Indels
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Whitham S, Xie Z,
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                                                                                              100.0%; Prec. ...
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                                                                                       Score 21;
Pred. No.
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                                                                                                                                                                 162 GCCTAAAAAAGAAAAAAA 142
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                                                                                                                                                 863 GCCTAAAAAAAGAAAAAAAA
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                                                                                                                                                                                                                                                  ADA72818 standard; DNA; 2000
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                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        bacterial, fungal or vira
illustrate the invention.
                                                                                                                                                                                                                                                                                                                                         SEQ ID 6143.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chang H, Chen W, Co
Katagiri F, Quan S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-175290/17.
                                                                                                   Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                 Oryza sativa.
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                                                                                                                21;
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                                                                                                                                                                                                                                                                                                                                         Rice gene,
                             invention
                                                                                                                                                                                                                                                                               ADA72818;
                                                                                       Query Match
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Best Local (
                                                                                                                                                                                                                                                                                                                                                                                       gene;
                                                                                                                    Matches
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ADA72818/
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RESULT 13

AAH72880/

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The invention relates to an isolated nucleic acid molecule (I) comprising a nucleotide sequence given in Tables 1-9 (ABV00010-ABV62213) of the specification or its complement. (I) is useful for: (a) assessing whether patient is afflicted with prostate cancer; (b) monitoring the progression of prostate cancer in a patient; (c) assessing the efficacy of a therapy for inhibiting prostate cancer in a patient; (e) selecting a composition for inhibiting prostate cancer in a patient; (f) assessing the prostate cell carcinogenic potential of a compound; (g) determining whether prostate cancer has metastesized in a patient; determining whether prostate cancer has metastesized in a patient; (h) assessing the aggressiveness or indolence of prostate cancer in a patient; (i) is also useful as a pharmacodyanamic or pharmacogenomic marker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; prostate cancer; cytostatic; carcinogen; pharmacodyanamic marker; pharmacogenomic marker; gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                              Novel isolated nucleic acid molecule associated with cancerous state of prostate cells and correlating with presence of prostate cancer, useful for detecting presence of prostate cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.9%; Score 21; DB 5; Length 2170;
100.0%; Pred. No. 7.2;
ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                         (MILL-) MILLENNIUM PREDICTIVE MEDICINE INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; Page 3950; 11750pp; English.
                                                                                                                                                                                                                                                                                                                                    Monahan JE;
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16-MAR-2000; 2000US-0189862P.
25-MAY-2000; 2000US-0207459F.
9-UJN-2000; 2000US-0211314P.
18-UJL-2000; 2000US-021907P.
13-DEC-2000; 2000US-025581P.
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                                                                                                   20-FEB-2001; 2001WO-US005171
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16-MAR-2000; 2000US-0189862P.
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Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                Schlegel R, Endege WO,
                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-662795/76.
                     WO200160860-A2
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                                                          23-AUG-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New isolated nucleic acid for diagnosing and treating cervical cancer and for assessing and detecting compounds for treating the cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cervical cancer with cytostatic activity. The nucleic acids and encoded by Obypeptides are useful: to assess if a patient is affiliated with cervical cancer or has a pre-malignant condition; to monitor the progression of cervical cancer or a premalignant condition in a patient; and to select and/or assess the efficacy of a compound or therapy for inhibiting cervical cancer in a patient. The nucleic acids may also be useful for gene therapy
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                                                                                                                                                                                                                          Cervical cancer; cytostatic; pre-malignant condition; gene therapy; ss.
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100.0%; Pred. No. 7.2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2170 BP; 358 A; 689 C; 427 G; 688 T; 0 U; 8 Other;
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                                                                                                                                                                                 Human cervical cancer marker nucleic acid 4154.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Zhao X;
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                                                          ВЪ.
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                                                      AAH72880 standard; cDNA; 2170
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14-MAR-2000; 2000US-0189115P.
12-MAY-2000; 2000US-023791P.
09-UUN-2000; 2000US-0210600P.
21-JUL-2000; 2000US-0220114P.
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                                                                                                                                          (first entry)
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                                                                                                                                          19-SEP-2001
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Matches

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RESULT 14

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Gaps

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The invention relates to an isolated nucleic acid molecule (I) comprising a nucleotide sequence given in Tables 1-9 (ABV00010-ABV62213) of the specification or its complement. (I) is useful for: (a) assessing whether patient is afflicted with prostate cancer; (b) monitoring the progression of prostate cancer in a patient; (c) assessing the efficacy of a therapy for inhibit prostate cancer in a patient; (d) assessing the efficacy of a therapy for inhibiting prostate cancer in a patient; (e) selecting a composition for inhibiting prostate cancer in a patient; (f) assessing the prostate call carcinogenic potential of a compound; (g) determining whether prostate cancer has metastasized in a patient; (g) assessing the aggressiveness or indolence of prostate cancer in a patient; (l) is also useful as a pharmacodyanamic or pharmacogenomic marker
                                                                                                                                                                                                                                                             Novel isolated nucleic acid molecule associated with cancerous state of prostate cells and correlating with presence of prostate cancer, useful for detecting presence of prostate cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 2170 BP; 358 A; 688 C; 428 G; 688 T; 0 U; 8 Other;
                                                                                                                    (MILL-) MILLENNIUM PREDICTIVE MEDICINE INC.
                                                                                                                                                                                                                                                                                                                                                           Claim 1; Page 5153; 11750pp; English.
                                                                                                                                                                      Monahan JE;
25-MAY-2000; 2000US-0207454P.
09-JUN-2000; 2000US-0211314P.
18-JUL-2000; 2000US-0219007P.
13-DEC-2000; 2000US-025281P.
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866 TAAAAAAAAAAAAAACTG 886 96 ઠે

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Gaps

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Query Match
Best Local Similarity 100.0%; Pred. No. 7.2;
Matches 21; Conservative 0; Mismatches 0; Indels

TAAAAAAGAAAAAAAACTG 76

Search completed: August 29, 2005, 03:26:35 Job time : 702 secs

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RESULT 1
US-09-248-796A-9416/c
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15104, A
16536, A
80010, A
80011, A
136288,
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148216,
18, Appl
3377, Ap
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                                                                                                                           August 29, 2005, 03:00:28; Search time 233 Seconds (without alignments) 7802.161 Million cell updates/sec
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Sequence 119415,
Sequence 15057, A
Sequence 14724, A
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(cgn2_6/ptodata/1/ina/5A_COMB.seq:*

(cgn2_6/ptodata/1/ina/5B_COMB.seq:*

(cgn2_6/ptodata/1/ina/6A_COMB.seq:*

(cgn2_6/ptodata/1/ina/BCTUS_COMB.seq:*

(cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

(cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
                GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-09-949-016-119415
US-09-949-016-119415
US-09-949-016-15057
US-09-949-016-120940
US-09-949-016-120940
US-09-949-016-15104
US-09-949-016-15104
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US-09-949-016-15835
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US-09-949-016-1656
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seq length: 200000000
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No.
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Sequence 9416, Application US/09248796A

Fatent No. 6747137

Facent No. 6747137

FAPLICANT: Keith Weinstock et al

APPLICANT: Keith Weinstock et al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAL

TITLE OF INVENTION: NUCLEIC ACID AND THERAPEUTICS

FILE REFERENCE: 107196-112

CURRENT APPLICATION NUMBER: US/09/248,796A

CURRENT PILING DATE: 1999-02-12

PRIOR APPLICATION NUMBER: US 60/074,725

PRIOR APPLICATION NUMBER: US 60/074,725

PRIOR APPLICATION NUMBER: US 60/096,409

PRIOR APPLICATION NUMBER: US 60/096,409

PRIOR APPLICATION NUMBER: US 60/096,409

PRIOR PILING DATE: 1998-08-13

NUMBER OF SEQ ID NOS: 28208

SEQ ID NO 9416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLTMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: PUTH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: 10/09/949,016
CURRENT FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR APPLICATION NUMBER: 60/231,768
PRIOR APPLICATION NUMBER: 60/231,768
PRIOR PILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-10-03
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  Sequence 14043, A Sequence 12373, A Sequence 11388, A Sequence 13110, A Sequence 5369, Ap Sequence 4, Appli Sequence 64077, A Sequence 68221, A Sequence 74691, A Sequence 74694, A Sequence 74694, A Sequence 74890, A Sequence 74890, A Sequence 74891, A
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Pred. No. 0.77;
0; Mismatches 0; Indels
US-09-949-016-14043
US-09-949-016-12373
US-09-949-016-11308
US-09-621-976-13110
US-09-621-976-13110
US-09-621-976-13110
US-09-621-976-13110
US-09-949-016-68221
US-09-949-016-68221
US-09-949-016-74693
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US-09-949-016-74693
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US-09-949-016-119414/c
; Sequence 119414, Application US/09949016
; Patent No. 6812339
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Best Local Similarity 100.0%; P.
Matches 22; Conservative 0;
                        TYPE: DNA ORGANISM: Candida albicans
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Sequence 15057, Application US/09949016

Sequence 15057, Application US/09949016

Sequence 15057, Application US/09949016

Sequence 15057, Application US/09949016

SERVER NOW GENERAL INFORMATION:

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

TITLE OF INVENTION NUMBER: US/09/949, 016

CURRENT APPLICATION NUMBER: US/09/949, 016

CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241, 755

PRIOR FILING DATE: 2000-10-20

PRIOR FILING DATE: 2000-10-03

PRIOR FILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012

SOFTWARE: PASISEQ FOR Windows Version 4.0

LENGTH: 51403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: VENTER, J. Craig et al.

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REPERENCE: CLOO1307

CURRENT APPLICATION NUMBER: US/09/949,016

CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR APPLICATION NUMBER: 60/231,768

PRIOR FILING DATE: 2000-10-03

PRIOR FILING DATE: 2000-10-03

PRIOR FILING DATE: 2000-00-09-08

NUMBER OF SEQ ID NOS: 207012
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100.0%; Pred. No. 0.77;
tive 0; Mismatches 0; Indels
                                                                                                                                            Query Match
2.0%; Score 22; DB 4;
Best Local Similarity 100.0%; Pred. No. 0.77;
Matches 22; Conservative 0; Mismatches (
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Patent No. 6812339
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                    378 AAAAAAAAAAAAAAAACTGTTC 357
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Best Local Similarity 100.0
Matches 22; Conservative
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; SEQ ID NO 119414
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-119414
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US-09-949-016-119415
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ORGANISM: Human
FEATURE:
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LENGTH: 601
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FACELIA NO. 'SELESSY, SELESSY, METHODS OF DETECTION AND USES THEREOF, TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF, TITLE REPERENCE: CLOOL307

FILE REPERENCE: CLOOL307

CURRENT APPLICATION NUMBER: 06/241,755

PRIOR APPLICATION NUMBER: 60/231,768

PRIOR PELING DATE: 2000-10-03

PRIOR FILING DATE: 2000-10-03

PRIOR PLING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012

SOFTWARE: FESTEREQ for Windows Version 4.0

SEQ ID NO 14724

LENGTH: 250352
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Patent No. 67836L

GENBEAL INFORMATION:

APPLICANT: Duclart, A.

APPLICANT: Duclart, A.

TITLE OF INVENTION:

Patent No. 6783961

TITLE OF INVENTION:

CURRENT APPLICATION NUMBER: US/09/513,999C

CURRENT FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: US 60/122,487

PRIOR PILING DATE: 1999-02-26

NUMBER OF SEQ ID NOS: 36681

SOFTWARE: Patent.pm

SEQ ID NO 28975

LENGTH: 403
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100.0%; Pred. No. 0.83;
tive 0; Mismatches 0; Indels 0.
                                                                                                                       DB 4; Length 51403; 0.82;
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8-09-949-016-14724/c
; Sequence 14724, Application US/09949016
; Patent No. 6912339...
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; NAME/KEY: misc_feature
; LCCATION: (1)...(51403)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15057
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; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14724
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Best Local Similarity 100.0
Matches 22; Conservative
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LOCATION: (1)...(25035
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ORGANISM: Homo sapiens
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US-09-513-999C-28975
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ORGANISM: Human
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FEATURE:

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RESULT 9
US-09-949-016-15104/c
; Sequence 15104, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF;
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF;
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-11,755
; PRIOR APPLICATION NUMBER: 60/241,756
; PRIOR FILING DATE: 2000-10-03
; PRIOR FILING DATE: 2000-10-03
; PRIOR FILING DATE: 2000-10-03
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFFTMARE: FREESEQ for Windows Version 4.0
                         APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-00-04-14
PRIOR PELICATION NUMBER: 60/241,755
PRIOR PELICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR PILING DATE: 2000-10-03
PRIOR PELICATION NUMBER: 60/231,498
PRIOR PILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSEQ for Windows Version 4.0
: SEQ ID NO 169986
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 21; DB 4; Length 601; Pred. No. 2.5;
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US-09-949-016-16536
Sequence 16536, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
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// OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15104
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US-09-949-016-169986
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
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Sequence 120940, Application US/09949016

Patent No. 6812339

GENERAL INFORMATION:

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

CURRENT PILLING DATE: 2000-04-14

PRIOR PELLING DATE: 2000-10-20

PRIOR PELLING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/231,768

PRIOR PELLING DATE: 2000-10-03

PRIOR PELLING DATE: 2000-10-03
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2.5;
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tive 0; Mismatches
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; Patent No. 6812339
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                                                                               OTHER INFORMATION: r=a or g
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Best Local Similarity 100.0
Matches 21; Conservative
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LOCATION: 254
OTHER INFORMATION: w=a or
FEATURE:
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                                                                                                                                                                                                                                                                        LOCATION: 255
OTHER INFORMATION: n=a,
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LOCATION: 271
OTHER INFORMATION: n=a,
FEATURE:
NAME/KEY: misc_feature
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US-09-949-016-169986/c
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TYPE: DNA

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Sequence 80012, Application US/09949016 Patent No. 6812339
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US-09-949-016-136288/c
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US-09-949-016-80012/c
                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: Human
US-09-949-016-80012
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## APPLICANT: VENTER, J. Craig et al.

| TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
| TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
| FILE REPERBUCE: CL001307 |
| CURRENT PELICATION NUMBER: US/09/949,016 |
| CURRENT FILING DATE: 2000-04-14 |
| PRIOR PPLICATION NUMBER: 60/241,755 |
| PRIOR PPLICATION NUMBER: 60/241,755 |
| PRIOR PPLICATION NUMBER: 60/237,768 |
| PRIOR PPLICATION NUMBER: 60/231,498 |
| PRIOR PPLICATION NUMBER: 60/231,498 |
| PRIOR PLIING DATE: 2000-09-08 |
| NUMBER OF SEC ID NOS: 207012 |
| SOFTWARE: FastSEQ for Windows Version 4.0 |
| LENGTH: 114139 |
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APPLICANT: VENTER, J. Craig et al.

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CL001307

CURRENT APPLICATION NUMBER: US/09/949,016

CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR APPLICATION NUMBER: 60/241,768

PRIOR PELING DATE: 2000-10-20

PRIOR FILING DATE: 2000-10-03

PRIOR FILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012

SOFFWARE: FRACESEQ for Windows Version 4.0

LENGTH: 601
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Sequence 80010, Application US/09949016
Patent No. 6812339
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Battent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: n = A,T,C or US-09-949-016-16536
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Best Local Similarity
Matches 20; Conserv
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US-09-949-016-80011/c
                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Human
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TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CLOO1307
CURRENT APPLICATION NUMBER: US/09/949,016
PRIOR PAPLICATION NUMBER: 60/241,755
PRIOR PAPLICATION NUMBER: 60/241,755
PRIOR PAPLICATION NUMBER: 60/237,768
PRIOR PILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR PILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FESTERE OF WINDOWS VerSION 4.0
SEQ ID NO 80011
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APPLICANT: VENTER, J. Craig et al.

APPLICANT: VENTER, J. Craig et al.

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: POLYMORHISMS IN KNOWN GENES ASSOCIATED

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CL001307

CURRENT APPLICATION NUMBER: 60/241,755

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR APPLICATION NUMBER: 60/231,768

PRIOR PILING DATE: 2000-10-03

PRIOR PILING DATE: 2000-10-03

PRIOR FILING DATE: 2000-10-03

PRIOR FILING DATE: 2000-10-03

PRIOR FILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012
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| Patent No. 6812339
| GENERAL INFORMATION:
| APPLICANT: VENTER, J. Craig et al. |
| TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF |
| PILE REPERENCE: CLO01307 |
| CURRENT APPLICATION NUMBER: US/09/949,016 |
| CURRENT FILING DAIE: 2000-04-14
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7.9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 1.8%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 7.9 Matches 20; Conservative 0; Mismatches
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RESULT 15

US-09-949-016-148215/c

i Sequence 148215, Application US/09949016

i Patent No. 6612319

i GENERAL INFORMATION:

i TITLE OF INVENTION: FOLYMONE IN KNOWN GENES ASSOCIATED

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

ITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

ITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

ITLE OF INVENTION: WITHER: 00/0-04-14

PRIOR APPLICATION NUMBER: 00/21,755

PRIOR APPLICATION NUMBER: 60/21,768

PRIOR PILING DATE: 2000-10-03

PRIOR PILING DATE: 2000-10-03

PRIOR PILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012

SEQ ID NO 148215

LENGTH: 601

LENGTH: 601
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1.8%; Score 20; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 7.9;
Matches 20; Conservative 0; Mismatches 0; Indels
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1.8%; Score 20; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 7.9;
Matches 20; Conservative 0; Mismatches 0; Indels
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR PLICATION NUMBER: 60/237,768
PRIOR PILING DATE: 2000-10-03
PRIOR PILING DATE: 2000-10-03
PRIOR PILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SEQ ID NO 136288
LENGTH: 601
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|||||||||||||||||||||||||||||||309 AAAAAAAAAACTGTTCAATCA 290
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; ORGANISM: Human
US-09-949-016-148215
                                                                                                                                                                                                                                                                                         ORGANISM: Human
US-09-949-016-136288
                                                                                                                                                                                                                                                                    TYPE: DNA
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Search completed: August 29, 2005, 06:07:46 Job time : 236 secs

335 GGAGGAGAAGAAGTAGGA 316

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Perfect score:

Sequence:

OM nucleic

Run on:

Scoring table:

Word size :

Database

Searched:

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RESULT 1
US-10-425-115-15660
; Sequence 15660, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Zhou, Yihua
; APPLICANT: Zhou, Yihua
; APPLICANT: Zhou, Yihua
; APPLICANT: Zhou, Yihua
; TITLE OF INVENTION: Nucleic, Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(5322)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT PRILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 15660
                                            Sequence 101740, Sequence 101740, Sequence 169396, Sequence 2058, Appagemence 22584, A Sequence 24738, A Sequence 24738, A Sequence 24738, A Sequence 21715, A Sequence 21715, A Sequence 5, Appli Sequence 5, Appli Sequence 5, Appli Sequence 6718, App Sequence 68718, App Sequence 68718, App Sequence 68718, App Sequence 68718, App Sequence 2246, App Sequence 2266, App Sequen
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Sequence 295267,
Sequence 280598,
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US-10-685-783A-46223

US-10-627-632-169396

US-10-637-963-3058

US-10-637-963-3058

US-10-637-963-85377

US-09-925-300-631

US-10-357-930-22582

US-10-357-930-22584

US-10-357-930-22584

US-10-357-930-22584

US-10-357-930-22584

US-10-357-930-27560

US-10-357-930-47881

US-10-027-632-47881
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5.3e-12;
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3.8%; Score 42; DB
Best Local Similarity 100.0%; Pred. No. 5.3
Matches 42; Conservative 0; Mismatches
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         TYPE: DNA
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Sequence 9165, Ap
Sequence 9299, Ap
Sequence 9926, Ap
Sequence 20330, A
Sequence 20330, A
                                                                                                                                                  August 29, 2005, 03:14:53; Search time 2629 Seconds (without alignments) 2765.071 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 15660,
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1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/2/pubpna/PCT NEW_PUB.seq:*
2: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
5: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
6: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
9: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
14: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
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17: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
18: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
19: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
19: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
22: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
23: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
24: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
24: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
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26: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
27: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
28: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
                         GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-10-741-600-17952
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US-09-867-701-9165
US-09-867-701-9299
US-09-867-701-9926
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Gapop_60.0 , Gapext 60.0
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Maximum DB seq length: 2000000000
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Sequence 9430, Application US/09867701
Fatent No. US2002013237A1
GENERAL INFORMATION:
APPLICANT: Aglate, Paul A.
APPLICANT: Harlocker, Susan L.
ITILE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Aglate, Paul A.
APPLICANT: Aglate, Robert
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121, 497
CURRENT APPLICATION NUMBER: US/09/867, 701
CURRENT FILING DATE: 20012
SUFFWARE: FastSEQ for Mindows Version 4.0
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Patent No. US20020132237A1
GENERAL INFORMATION:
APPLICANT: Adjate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FILE REFERENCE: 210121.497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2.0%; Score 22; DB 9; Length 141;
100.0%; Pred. No. 0.62;
/ative 0; Mismatches 0; Indels
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; Sequence 9165, Application US/09867701
; Patent No. US20020132337A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               862 AGCCTAAAAAAAAAAAA 883
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US-09-867-701-9430
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; ORGANISM: Homo sapien
US-09-867-701-9165
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Best Local Similarity
Matches 22; Conserv
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LENGTH: 141
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LENGTH: 144
                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
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APPLICANT: Thompson, Pamela
APPLICANT: Thompson, Pamela
APPLICANT: Lillie, James
ITILE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
ITILE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
ITILE OF INVENTION: THERAPY OF OVARIAN CANCER
FILE REPERBENCE: MRI-068
CURRENT APPLICATION NUMBER: US/09/814,353
CURRENT FILING DATE: 2001-03-21
PRIOR PELLING DATE: 2000-03-21
PRIOR PELLING DATE: 2000-05-25
PRIOR PAPLICATION NUMBER: US 60/207,124
PRIOR PAPLICATION NUMBER: US 60/211,940
PRIOR PLING DATE: 2000-05-25
PRIOR PLING DATE: 2000-06-15
PRIOR PLING DATE: 2000-06-15
PRIOR PLING DATE: 2000-06-15
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: US 60/216,820
PRIOR FILING DATE: 2000-07-25
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US-09-667-701-9926
i Sequence 9926, Application US/09867701
i Sequence 9926, Application US/09867701
i Sequence 9926, Application US/09867701
i GENERAL INFORMATION:
i APPLICANT: AJEACE, Paul A.
i APPLICANT: Harlocker, Susan L.
i TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
ITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
ITLE REPERENCE: 210121.497
i CURRENT FILING DATE: 2001-05-29
i NUMBER OF SEQ ID NOS: 10912
i SOFTWARE FEBLISE FURNISHED FOR Windows Version 4.0
                                                                                                                                                                                                                                                                                       Length 154;
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                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                    2.0%; Score 22; DB 9;
100.0%; Pred. No. 0.62;
iive 0; Mismatches
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 9299
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Publication No. US20030165831A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                           112 AGCCTAAAAAAAAAAAAAA 133
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Matches 22; Conservative
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US-09-867-701-9926
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LENGTH: 213
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Sequence 101740, Application US/10425115
Sequence 101740, Application US/10425115
Publication No. US20040214272A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Acou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21(5)322)B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 101740
LENGTH: 542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 46223, Application US/10085783A

Publication No. US20040037841A1

GENERAL INFORMATION:

APPLICANT: ChondroGene Inc.

APPLICANT: ChondroGene Inc.

APPLICANT: Compositions and Methods Relating to Osteoarthritis

FILE REFERENCE: 4231/2002

CURRENT FILIAG DATE: 2002-02-28

FRIOR APPLICATION NUMBER: US 60/305,340

PRIOR APPLICATION NUMBER: US 60/305,340

PRIOR APPLICATION NUMBER: US 60/275,017

PRIOR PILING DATE: 2001-07-13

FRIOR PILING DATE: 2001-03-12

PRIOR PILING DATE: 2001-03-12

PRIOR FILING DATE: 2001-03-28

NUMBER OF SEQ ID NOS: 58994

SEQ ID NO 46223

SEQ ID NO 46223
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Pred. No.
                                                                                                                                                                                                                                                                                                                            863 GCCTAAAAAAAAAAAAA 883
                                                                                                                                                                                                                                                                                                                                                                          222 GCCTAAAAAAAAAAAAAAAA 242
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100.0%; Pre
     PRIOR FILING DATE: 2001-02-28
NUMBER OF SEQ ID NOS: 58994
SOFTWARE: Patentin version 3.2
SEQ ID NO 46223
LENGTH: 261
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Best Local Similarity
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                                                                                                                            ; TYPE: DNA
; ORGANISM: Human
US-10-242-535A-46223
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US-10-085-783A-46223
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US-10-085-783A-46223
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LOCATION: (11)...(394468)

1 OCATION: (11)...(394468)

1 OSPATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-

US-10-741-600-17952
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 17952, Application US/10741600
Publication No. US20050026169A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
WYCCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
FILE REPERENCE: CL001499
CURRENT APPLICATION NUMBER: US/10/741,600
CURRENT PILING DATE: 2003-12-22
NUMBER OF SEQ ID NOS: 73997
SEQ ID NO 17952
LENGTH: 394468
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Publication No. US20040013663A1

GENERAL INFORMATION:
APPLICANT: Liew, C.C.
TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
FILE REFERENCE: 4231/2005
CURRENT APPLICATION NUMBER: US/10/242,535A
CURRENT FILING DATE: 2002-09-12
FRIOR APPLICATION NUMBER: US 10/085,783
FRIOR FILING DATE: 2001-07-13
FRIOR FILING DATE: 2001-03-12
FRIOR APPLICATION NUMBER: US 60/275,017
FRIOR APPLICATION NUMBER: US 60/275,017
FRIOR APPLICATION NUMBER: US 60/275,017
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                                                                                                                                                                                                                       NAME/KEY: misc_feature

// LCCATION: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 968, 1074

// COTHER INPORMATION: n = A,T,C or G

US-09-814-353-20330
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PRIOR APPLICATION NUMBER: US 60/257,672
PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 22037
SEQ TWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 20330
LENGTH: 1074
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                                                                                                                                                                            ORGANISM: Homo sapiens
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US-10-242-535A-46223
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GABLEAL INCOMATION:

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
ITILE OF INVENTION: Identification and Mapping of Single Nucleotide
ITILE OF INVENTION: POLYMorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR PILING DATE: 2000-07-12
PRIOR PLICATION NUMBER: US 60/198,676
PRIOR PLICATION NUMBER: US 60/198,676
PRIOR PLICATION NUMBER: US 60/193,483
PRIOR PLILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 1200-03-29
PRIOR PLILING DATE: 1999-11-23
PRIOR PLILING DATE: 1999-09-28
PRIOR PLILING DATE: 1999-09-60
PRIOR PLILING DATE: 1999-09-60
PRIOR PLILING DATE: 1999-08-09
SOFTWARE: FASELSQ for Windows Version 4.0
SEQ ID NO 169396
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Pred. No. 2.4;
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US-09-925-300-630/c
US-09-925-300-630, Application US/09925300
; Sequence 6.30, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
                                                                                                                                                                                                         Query Match
Best Local Similarity 100.0%; Pred. No. 2.4
Matches 21; Conservative 0; Mismatches
      SOFTWARE: FastSEQ for Windows Version 4.0
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CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05988
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-027-632-169396
; Sequence 169396, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                          867 AAAAAAGAAAAAAAACTGT 887
                                                                                                                                                                                                                                                                                                                                                                                                   118 AAAAAAGAAAAAAAACTGT 138
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Best Local Similarity
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                                                                                                                             ORGANISM: Human
                                  SEQ ID NO 169396
LENGTH: 828
                                                                                                    TYPE: DNA
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Publication No. US20040123343A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Shou, Yihua
APPLICANT: Wu, Wei
APPLICANT: Wu, Wei
APPLICANT: Baubazuk, Brad
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants uS/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 3058
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US-10-027-623-169396
US-10-027-623-169396

Publication No. US20020198371A1

GENERAL INFORMATION:

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

TITLE OF INVENTION: Dolymorphisms in the Human Genome

TITLE OF INVENTION: Polymorphisms in the Human Genome

TITLE OF INVENTION: 108027.129

CURRENT PILING DATE: 2002-04-30

PRIOR PELING DATE: 2000-07-12

PRIOR PELING DATE: 2000-07-12

PRIOR FILING DATE: 2000-04-20

PRIOR PELING DATE: 2000-04-20

PRIOR PELING DATE: 2000-03-29

PRIOR PELING DATE: 2000-03-24

PRIOR PELING DATE: 1900-02-24

PRIOR PELING DATE: 1909-11-23

PRIOR FILING DATE: 1999-11-23

PRIOR PELING DATE: 1999-108-28

PRIOR PELING DATE: 1999-108-28

PRIOR PELING DATE: 1999-08-08

PRIOR FILING DATE: 1999-08-08

PRIOR PRIOR FILING DATE: 1999-08-08

PRIOR FILING DATE: 1999-08-08
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                                                           1.9%; Score 21; DB 20; Length 542;
100.0%; Pred. No. 2.4;
ive 0; Mismatches 0; Indels
                                                                                                                          0; Indels
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US-10-437-963-3058
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 1.9%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 2.4 Matches 21; Conservative 0; Mismatches
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                                                                                                                                                                                   863 GCCTAAAAAAAAAAAAAAA 883
                                                                                                                                                                                                                            50 GCCTAAAAAAAGAAAAAAA 30
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                                                                                                                          Conservative
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ORGANISM: Oryza sativa
                                                                                        Local Similarity
tes 21; Conserv
US-10-425-115-101740
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Sequence 85377, Application US/10437963
; Sequence 85377, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Cao, Yongwei
; APPLICANT: Tabou, Yihua
; APPLICANT: Wu, Wei
; APPLICANT: Wu, Wei
; APPLICANT: Wu, Wei
; APPLICANT: Barbazuk, Brad
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5321)8
; CURRENT PILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
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1.9%; Score 21; DB 19; Length 1420;
Best Local Similarity 100.0%; Pred. No. 2.5;
Matches 21; Conservative 0; Mismatches 0; Indels 0
                                                                                                                                                                                                                                                                            Query Match 1.9%; Score 21; DB 9; Length 1097; Best Local Similarity 100.0%; Pred. No. 2.5; Matches 21; Conservative 0; Mismatches 0; Indels
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; OTHER INFORMATION: Clone ID: PAT_MRT4530_84521C.1
US-10-437-963-85377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION: (1)..(1420)
OTHER INFORMATION: unsure at all n locations
                                                                                                                                    FEATURE:

NAME/KES: misc feature

LOCATION: (13)

OTHER INFORMATION: n equals a,t,g, or c
US-09-925-300-630
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                                                                                                                                                                                                                                                                                                                                                                                                       162 GCCTAAAAAAAGAAAAAAA 142
NUMBER OF SEQ ID NOS: 1890
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 630
LENGTH: 1097
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ORGANISM: Oryza sativa
FEATURE:
                                                                                               TYPE: DNA
ORGANISM: Homo sapiens
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LENGTH: 1420
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Search completed: August 29, 2005, 06:51:41 Job time : 2631 sec8

1363 AAAAGAAAAAAAAACTGTTCA 1383

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53 4.8 889 7 CK158740 CK158740 CA702286 wdk1c.pk0 47 4.2 557 4 BJ223826 BJ273554 BJ27366 BJ27366 BJ27366 BJ27366 BJ27366 BJ27366 BJ27366 BJ27366 BJ27367 BJ274465 BJ274465 BJ274465 BJ27367 BJ272676 BJ272676 BJ272676 BJ272	ALIGNMENTS	CD867573 509 bp mAZO2.106K05F001108 AZO2 Triticum ae mAZO2.106K0573 CD867573 CD867573. GI:32551389 EST Triticum aestivum (bread wheat) Triticum aestivum Triticum aestivum Evaryota; Viridiplantae; Streptoph Spermatophyta; Magnoliophyta; Lilic Pooideae; Triticae; Triticum. I (bases I to 509) Genoplante, a major partnership fre Unpublished (2003) Contact: Genoplante Genoplante	matcoocal
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		RESULT 1 CD867573 LOCUS DEFINITION ACCESSION VERYWORDS SOURCE SOURCE ORGANISM TITLE JOURNAL COMMENT	FEATURES SOURTIN QUELY BEST L MATCHE QY Db Db
D 5.1.6 Compugen Ltd. Search time 4261 Seconds (without alignments) 9924.760 Million cell updates/sec	ers: 68479088	cted by chance to have a sorte the result being printed, score distribution.	Description CD867573 AZO2.106K CD867174 AZO2.106GK CD867174 AZO2.106GK CD867174 AZO2.106GK CD8938039 CW.108007 CD8948041 WAD41C.pk0 CD894417 WHE4351G CD894217 G118.125L CA701748 WKM2C.pk0 CD894217 G118.125L CA701748 WKM2C.pk0 CD894217 G118.125L CA701748 WKM2C.pk0 CD894217 G118.125L CA701748 WKM2C.pk0 CD904051 G356.112E BB419251 WWRC21.H3 BA257084 BA257084 BA221033 BA221033 BA221033 BA223061 BA233935 BA239800 BA233935 BA239900 BA233935 BA239612 BA296612 BA296612 BA296612 BA296613 BA266624 BA266654 CKX159678 FGAS03155
GenCore version S Copyright (c) 1993 - 2005 C nucleic search, using sw model August 29, 2005, 02:56:28 ; Se US-09-979-549-2 : 1111 I gaagtcagaaggccgttcag : OLIGO NUC Gapop_60.0 , Gapext 60.0 34239544 seqs, 19032134700 res	hits satisfying chosen parameters length: 0	Listing first 45 summaries EST:* 1: 9b est1:* 2: 9b_est2:* 3: 9b_htc:* 4: 9b_est3:* 5: 9b_est4:* 6: 9b_est5:* 7: 9b_est5:* 6: 9b_est5:* 6: 9b_est5:* 6: 9b_est5:* 6: 9b_est5:* 7: 9b_est6:* 8: 9b_est5:* 7: 9b_est6:* 8: 9b_est5:* 7: 9b_est6:* 8: 9c_est6:* 8: 9c_est6:* 8: 9c_est6:* 8: 9c_est6:* 9: 9b_est6:* 8: 9c_est6:* 9: 9b_est6:* 8: 9c_est6:* 9: 9b_est6:* 9: 9b_est6:* 8: 9c_est6:* 9: 9b_est6:* 9: 9b_est6:* 8: 9c_est6:* 9: 9c_est6:	Match Length DB ID 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.
OM nucleic - nu Run on: Title: Perfect score: Sequence: Scoring table: Searched:	umbe	w w	Result No. Score 1

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1020 CGGGCCGGGATTGGAGACAGAGCCCACAAGGCAACAAAGTGCGCGTGAGAAATCAAC 1079
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Triticum aestivum
Triticum aestivum
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticeae; Triticum.
1 (bases 1 to 631)
Genoplante.
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XhoI; Wheat (Triticum aestivum) pre-meiotic anthers JIC"
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Location/Qualifiers
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Unpublished (2003)
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1 Innovation Way, P.O. Box 6104, Newark, DE 19714-6104, USA Tel: 302-631-2602
Fax: 302-631-2607
Email: Scott.V.Tingey@USA.dupont.com
Seq primer: M13.
Location/Qualifiers
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Tel: 33 1 69 47 54 00
Fax: 33 1 69 47 54 10
                                                                                                                                                                                                                                                                                                                                                                                                     Query Match

8.3%; Score 92; DB 6; Le
Best Local Similarity 100.0%; Pred. No. 8.5e-38;
Matches 92; Conservative 0; Mismatches 0;
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8.3%; Score 92; DB 6; Le
Best Local Similarity 100.0%; Pred. No. 8.5e-38;
Matches 92; Conservative 0; Mismatches 0;
                                                                                                                                    1. .594
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Genoplante
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                                                                       CU867174 STO bp mRNA linear EST 11-JUL-2003 AZO2.105J01F001124 AZO2 Triticum aestivum cDNA clone AZO2105J01, mRNA sequence.
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1 (basea I to 594)

Tingey,S.V., Moore,G., Griffiths,S., Powell,W., Wolters,P., Dolan,M., Hainey,C., Miao,G., Caraher,N. and Hanafey,M.K.
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Tel: 33 1 69 47 54 00
Fax: 33 1 69 47 54 10
This sequence has been generated in the framework of the french
plant genomics programme 'Genoplante' (http://www.genoplante.com
and http://genoplante-info.infobiogen.fr).
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Crop Genetics
E. I. DuPont de Nemours and Company
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                                                                                                                                                                                                                     Triticum aestivum (bread wheat)
Triticum aestivum
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Triticum aestivum
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CD867174
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CD884411 643 Dp mRNA linear EST 14-JUL-2003
Fl.116120F010507 Fl Triticum aestivum cDNA clone F1116120, mRNA
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1 (bases 1 to 643)
Genoplante.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note="Vector: pBluescript SK+; Site_1: EcoR1; Site_2: XhoI; Wheat (Triticum aestivum L.) developing kerneI, 14 days after anthesis."
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Location/Qualifiers
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                                                                                                E. I. Dupont de Nemours and Company
1 Innovation Way, P.O. Box 6104, Newark, DE 19714-6104, USA
Tel: 302-631-2607
Fax: 302-631-2607
Email: Scott.V.Tingey@USA.dupont.com
Seq primer: M13.
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Tel: 33 1 69 47 54 00
Fax: 33 1 69 47 54 10
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/db_xref="taxon:4565"

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                             Contact: Scott V. Tingey
Crop Genetics
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   Unpublished (2002)
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AZOZ.073123F000912 AZO2 Triticum aestivum cDNA clone AZO2073123,
CD865240
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5' end, mRNA sequence.
CA112930
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Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae,
Pooideae, Triticeae, Triticum.
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1 CGGGCCGGGGATTGGAGACAGAGCCCACAAGGCAACAACAAAAGTGCGCGTGAGAAATCAAC 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This sequence has been generated in the framework of the french plant genomics programme 'Genoplante' (http://www.genoplante.com and http://genoplante.info.infoblogen.fr)
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Contact: Genoplante
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Genoplante
93, rue Henri Rochefort 91025 EVRY CEDEX France
Tel: 33 1 69 47 54 00
Fax: 33 1 69 47 54 10
                                                                  1080 AAGCGGTGCTTGCCGAGAAGAGAGAGAGAG 1111
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                                                                                                       61 AAGCGGTGCTTGCCGAGAAGAGAGAGAGAGAGAG 92
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/cultivar="recital"
/db xref="raxon:4565"
/clone="AZO2073123"
/tissue type="root"
/clone_lib="AZO2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Triticum aestivum (bread wheat)
Triticum aestivum
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Triticum aestivum
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VERSION KEYWORDS

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CUB94217 712 bp mRNA linear BST 14-JUL-2003
G118.125L08F010828 G118 Triticum aestivum cDNA clone G118125L08,
mRNA.sequence.
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         Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta, Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae, Pooideae, Triticeae, Triticum.

(bases 1 to 712)
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Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticae; Triticum.
1 (bases 1 to 556)
Tingey,S.V., Powell,W., Wolters,P., Dolan,M., Hainey,C., Yuan,Z.,
Miao,G., Caraher,N. and Hanafey,M.K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                93, rue Henri Rochefort 91025 EVRY CEDEX France
11. 33 1 69 47 54 00

Fax: 33 1 69 47 54 10

This sequence has been generated in the framework of the french plant genomics programme 'Genoplante' (http://www.genoplante.com
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Genoplante, a major partnership french program in plant genomics Unpublished (2003)
Contact: Genoplante
Genoplante
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100.0%; Pred. No. 1.2e-22;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /organism="Triticum aestivum"
/mol_type="mRNA"
/culfivar="recital"
/db xref="taxon:456"
/clone="G118125L08"
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Triticum aestivum
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Triticum aestivum
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CA701748.1 GI:25423541
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/moi_type="mRNA"
/moi_type="mRNA"
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/lab_host="E. Collbing"
/lab_host="E. or pspORTI; Site 1: Sall; Site 2: NotI; Plants
were grown in a glasshouse. Anther meiotic_stage was
determined microscopically after removing a single anther
from a primary floret. If determined to be between (and
including) meiotic stages pre-meiosis and metaphase I,
remaining floret tissue was collected and pooled for
library construction. The tissue, total RNA, and poly(A)
RNA were prepared, cDNA Synthesised, and directionally
ligated into pSPORTI by Tim Sutton in the P Langridge Lab
at the Department of Plant Science, University of
Adelaide, Waite Campus, Australia. Average insert size
1.4Kb. Plasmid DNA preparations and DNA sequencing were
performed in the OD Anderson lab (all other authors)."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Olin Anderson
US Department of Agriculture, Agriculture Research Service, Pacific
West Area, Western Regional Research Center
800 Buchanan Street, Albany, CA 94710, USA
Tel: 5105595773
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1 (bases 1 to 642)
Anderson, O.D., Chao, S., Crossman, C., Langridge, P., Lazo, G.R., Pham, J., Rausch, C.J., Sutton, T., Woo, J. and Wilson, C.
The structure and function of the expressed portion of the wheat genomes - Meiotic floret cDNA library
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                                                                                                                       Gaps
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Sequences have been trimmed to remove vector sequence and low
quality sequence with phred score less than 20
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    Pred. No. 1e-23;
; Mismatches 0; Indels

    . 642
    /organism="Triticum aestivum"

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Triticum aestivum
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Location/Qualifiers
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  100.0%;
                           66; Conservative
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Best Local Similarity
Matches 66; Conserv
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Entaryota, Viridimplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnollophyta; Liliopsida; Poales; Poaceae; Pooldeae; Triticae; Triticae; Triticae; Triticae; Triticae; Triticae; Triticae; Triticae; S. Anderson, O.A., Appels, R., Balley, P., Blake, T., Close, T., Cloutier, S., Dubcoveky, J., Feuillet, C., Gale, M., Graner, A., Gustafson, P., Hermann, R.G., Holton, T., Jacquemin, J. M., Jia, J., Joudrier, P., Langridge, P., Laco, G.R., Lin, J.J., McGuire, P., Shariflou, M., Sorrells, M., Warburton, M. and Wenzel, G. International Triticae EST Cooperative (ITEC): Production of Expressed Sequence Tags for Species of the Triticae
                                                                                                                                                                                                                                                                                                                                    BE419251 422 bp mRNA linear EST 24-JUL-2000 WWR021.H3R000101 ITEC WWR Wheat Root Library Triticum aestivum cDNA clone WWR021.H3, mRNA sequence.
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/clone_lib="ITEC WWR Wheat Root Library"
/note="M13 Reverse sequencing primer used for 5' end
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Colney Lane, Norwich NR4 7UH UNITED KINGDOM
Tel: 44 1603 250 2600
Fax: 44 1603 250 699
                         Length 637;
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Best Local Similarity 100.0%; Pred. No. 1.5e-21;
Matches 62; Conservative 0; Mismatches 0; Indels
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International Triticeae EST Cooperative (ITEC)
http://wheat.pw.usda.gov/genome.
Location/Qualifiers
                         DB 6; Le 4.2e-22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   organism="Triticum aestivum"
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/cultivar="Novosibirskaya 67"
/db xref="taxon:4565"
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                         5.7%; Score 63; DB 100.0%; Pred. No. 4.2 ive 0; Mismatches
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Triticum aestivum
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                                                                  63; Conservative
                         Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Triticum aestivum
Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae;
Pooideae, Triticeae, Triticum.
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Tel: 33 1 69 47 54 00
Fax: 33 1 69 47 54 10
This sequence has been generated in the framework of the french
plant genomics programme 'Genoplante' (http://www.genoplante.com
and http://genoplante-info.infobiogen.fr).
Location/Qualifiers
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Genoplante, a major partnership french program in plant genomics Unpublished (2003)
Contact: Genoplante
Genoplante
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                                                                                                                                                                                                                                                                                                                                                                                            /clone lib="wkm2c"
/note="Site 1: EcoR1; Site 2: XhoI; Wheat (Triticum
aestivum L.) kernel malted 175 hours at 4 C"
                                                            Crop Genetics
B. I. DuPont de Nemours and Company
I. Innovation May, P.O. Box 6104, Newark, DE 19714-6104, USA
Tel: 302-631-2607
Fax: 302-631-2607
Email: Scott. V. Tingey@USA.dupont.com
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Triticum aestivum"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match

5.7%; Score 63; DB 6; Length 556;
Best Local Similarity 100.0%; Pred. No. 4.2e-22;
Matches 63; Conservative 0; Mismatches 0; Indels

    .556
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                                                                                                                                                                                                                                                                   /mol_type="mRNA"
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/db xref="taxon:4565"
/clone="wharc.pk005.j20"
/tissue type="kernel"
/lab host="DH108"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Triticum aestivum (bread wheat)
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  DuPont Wheat cDNA Sequence
Unpublished (2002)
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                                        Contact: Scott V. Tingey
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'organism="Triticum aestivum"
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Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Spermatophya; Magnoliophyta; Liliopsida; Poales; Poaceae;

Pooldeae; Triticaea; Triticum.

I (bases 1 to 578)

SS Ggihara; Y. and Murai, K.

Expressed genes in Triticum aestivum

Unpublished (2002)

Contact: Tadasus Shin.

I (Center For Genetic Resource Information

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Tel: 81-559-81-6855

Fax: 81-559-81-6855

Email: tshini@genes.nig.ac.jp.
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Exist.

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Exist.

Spermatophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;

Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;

Pooldeae; Triticeae; Triticum.

Expressed genes in Triticum.

Expressed genes in Triticum aestivum

(Dipublished (2002)

Contact: Tadasu Shin-i

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1111 Yata, Mishima, Shizuoka 411-8540, Japan

Tel: 81-559-81-6856

Fax: 81-559-81-6855

Email: tshini@genes.nig.ac.jp.

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Location/Qualifiers

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1. :579
BJ257084 S. Ogihara unpublished cDNA library, Wh_h Triticum agetivum cDNA clone whh19m06 5', mRNA sequence.
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[mol type="mRNA"

culfivar="Chinese Spring"

db xrefe"[taxon:4565"

[clone="whh19m06"

fissue_type="gekes' scale 10.5"

dev stage="Feekes' scale 10.5"

[clone_lib="Y. Ogihara unpublished cDNA library, Wh_h"
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                                                                                                          Triticum aestivum (bread wheat)
                                                                     BJ257084.1 GI:23089660
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BJ221033/c
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BJ253061 BJ253061 Y. Ogihara unpublished cDNA library, Wh_f Triticum aestivum cDNA clone whf27c17 3', mRNA sequence.
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/tismuc type="spike at flowering date"
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100.0%; Pred. No. 1.8e-20;
tive 0; Mismatches 0;
                                                                                                                                             1.5e-21;
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100.0%; Pred. No. 1.5e-2;
ive 0; Mismatches
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Triticum aestivum
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BJ253061.1 GI:23088097
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                                                                                                            August 28, 2005, 22:56:20; Search time 234 Seconds (without alignments) 7768.818 Million cell updates/sec
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(cgn2_6/ptodata/1/ina/5B_COMB.seq:*

(cgn2_6/ptodata/1/ina/6A_COMB.seq:*

(cgn2_6/ptodata/1/ina/BCTUS_COMB.seq:*

(cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

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              GenCore version
Copyright (c) 1993 - 2005
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Sequence 17257, Application US/09949016
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FATEL NO. 6812339
FATEL COPENBLY SEASON SEASO
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    Sequence 13418, A Sequence 165, App Sequence 11, Appl Sequence 16378, A Sequence 15236, A Sequence 15500, A Sequence 15700, A Sequence 1756, A Sequence 1755, A Sequence 17375, A Sequence 17375, A Sequence 17375, A Sequence 17375, A Sequence 2028, Ap Sequence 2028, Ap Sequence 2028, Ap Sequence 2028, Ap Sequence 1001, Appl Sequence 1001, A Sequence 1001, A Sequence 1001, A Sequence 12505, A Sequence 1001, A Sequence 12505, A Sequence 12505, A
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US-09-949-016-13418

US-09-546-236-165

US-09-596-002-11

US-08-232-463-14

US-09-949-016-17027

US-09-949-016-17027

US-09-949-016-17269

US-09-949-016-17269

US-09-949-016-17269

US-09-949-016-17269

US-09-949-016-17375

US-09-949-016-17375

US-09-949-016-17375

US-09-949-016-17375

US-09-949-016-17375

US-09-949-016-17375

US-09-949-016-17375

US-09-949-016-17375

US-09-949-016-17375

US-09-949-016-174001

US-09-949-016-12505
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Best Local Similarity 50.8%; Pred. No. 0.14;
Matches 95; Conservative 0; Mismatches 92;
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; LOCATION: (1)...(38503)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17257
                                                 1128
14335
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16044
147835
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38983
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41199
51255
84296
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us-09-979-549-2.rni

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Local Similarity 55.2
les 74; Conservative
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US-09-621-976-2813/c
JS-09-949-016-170604
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US-09-949-016-16561
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                                               Query Match
                                                                                         Matches
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                                                                          GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
APPLICANT: VENTER, J. Craig et al.
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
FRIOR APPLICATION NUMBER: 60/231,768
FRIOR FILING DATE: 2000-10-03
FRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
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APPLICANT: VENTER, J. Craig et al.
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: 60/241,755
FRIOR APPLICATION NUMBER: 60/241,755
FRIOR APPLICATION NUMBER: 60/231,768
PRIOR APPLICATION NUMBER: 60/231,768
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
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Patent No. 6812339
                                     Sequence 12454, Application US/09949016
Patent No. 6812339
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OTHER INFORMATION: n = A,T,C or G
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ORGANISM: Human
                 US-09-949-016-12454
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ORGANISM: Human
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LENGTH: 601
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LENGTH: 39715
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Sequence 16561, Application US/09949016

Sequence 16561, Application US/09949016

Patent No. 6812339

GENERAL INFORMATION:

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REPERENCE: CLOOU3307

CURRENT APPLICATION NUMBER: US/09/949,016

CURRENT FILING DATE: 2000-04-14

PRIOR PLILING DATE: 2000-10-20

PRIOR PAPLICATION NUMBER: 60/231,768

PRIOR FILING DATE: 2000-10-03

PRIOR PLILING DATE: 2000-10-03

PRIOR PLILING DATE: 2000-0-0-08

NUMBER OF SEQ ID NOS: 2007012

SOFTWARE: PSECSEC for Windows Version 4.0

SEQ ID NO 16561

LENGTH: 27465
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                                                                                                                                       179 ATTTTATGGCGATGGCGTCAGGCGTTTATCTAGGCGTCTGGGAGGGTACATTTGAAGATG
                                                                                                                                                                                                222 Arcregregegeregezégzégecrererecségagáactreresagaagaregaagare
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3.5%; Score 39.2; DB 4; Length 601;
55.2%; Pred. No. 0.014;
ive 1; Mismatches 59; Indels
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Fatent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dobert, S.
APPLICANT: Jobert, S.
TITUE OF INVENTION:
FILE REFERENCE: GENSET.054PR2
CURRENT FILING DATE: 2000-07-21
CURRENT FILING DATE: 2000-07-21
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US-09-949-016-193904/c
; Sequence 193904/c
; Sequence 193904, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VEWTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF;
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF;
; CURRENT FILING DATE: 2000-04-14, 755
; PRIOR APPLICATION NUMBER: 60/241, 755
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-03
; PRIOR FILING DATE: 2000-01-03
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOOFTWARE: FESSEQ for Windows Version 4.0
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       193 GCGTCAGGCGTTTATCTAGGCGTCTGGGAGGGTACATTTGAAGATGTGCCACCCAACTCCA 252
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                                                                            102 GAGTTTCGCTCTTGTTGTTGCCCAGGCTGGAGTGCAATGGCACCATCTCAGTTCACCGCA 43
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Fatent No. 625858
GENERAL INFORMATION:
APPLICANT: Scottak, Jack W.
TITLE OF INVENTION:
FILLE REFERENCE: 00786/350003
CURRENT APPLICATION NUMBER: US/09/007,005B
CURRENT APPLICATION NUMBER: 00/058
FILLE REFLEX APPLICATION NUMBER: 60/035,963
EARLIER FILING DATE: 1997-01-27
EARLIER APPLICATION NUMBER: 60/044,491
EARLIER APPLICATION NUMBER: 60/044,491
EARLIER APPLICATION NUMBER: 60/044,491
EARLIER FILING DATE: 1997-11-06
NUMBER OF SEQ ID NOS: 33
SOFTWARE: FASTSEQ FOR Windows Version 4.0
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51.9%; Pred. No. 0.068;
tive 0; Mismatches 78; Indels
                                                                                                                                                    294
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Matches 84; Conservative
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ORGANISM: Human
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US-09-007-005-17/c
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LENGTH: 289
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      318 RKYTWGWWWYMWKRMMSTRWYCYMCWKCCMYRGRRCAMYTMARGRMWSYAWGKWKSMRSA 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            258 MSMCTRMYYKKGSTYWTWKCTCATWCYWYWKYWKRMWSKTCWSGSRGGYMTSYTSTRSYS 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            540 AATCAGTATGCCTTTCTCTGCATCTTTCTTCATGCAAGCATTAAATACTATAGCTAATCT 599
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 600 ACAGCCAGTTTATTATAAACAGGCTATATAGCTGACCTGGCAGTGCTATAGAGCCGGC 659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          720 CAAACAAATCCGGGCGTTCAGCAAGTCGGAATGAATTTCGGCTCATCACTCATTGTC 779
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Pred. No. 0.068;
0; Mismatches 78; Indels
                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 3.4%; Score 37.6; DB 4; Length 832; Best Local Similarity 11.6%; Pred. No. 0.062; Matches 40; Conservative 150; Mismatches 154; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 31783, Application US/09949016
Patent No. 6812339
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Best Local Similarity 51.9%;
Matches 84; Conservative (
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 2813
LENGTH: 832
                                                                                                                                            TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                       ; NAME/KEY: CDS
; LOCATION: 235..399
US-09-621-976-2813
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US-09-949-016-31783/c
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WENDUL 12730

Sequence 12730, Application US/09949016

Sequence 12730, Application US/09949016

Sequence 12730, Application US/09949016

Sequence 12730, Application US/09949016

SERIERAL INFORMATION:

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CL001307

CURRENT FILING DATE: 2000-04-14

PRIOR PLILING DATE: 2000-06-14

PRIOR PLILING DATE: 2000-10-03

PRIOR PAPLICATION NUMBER: 60/231,498

PRIOR PLING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 12730

LENGTH: S3915
                                                                                                   963 GCGAGCGCATAAATTCTGATTCCTGCCTGCCTGCCGGACAATTTATCTTTGGGGAGGGGG 1022
    154 NYSYNYNYSYNYNYSYNYNYSYNYNYSYNYNYSYNYNYSYNYNYSYNYNYSYNX
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3.3%; Score 36.2; D
Best Local Similarity 57.5%; Pred. No. 3;
Matches 65; Conservative 0; Mismatches
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; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12221
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// OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12730
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                                                                                        US-09-949-016-12221
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SEQ ID NO 12221
LENGTH: 53915
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                                                                                                                                                                                                                                                                                                                                                                    230 TIGAAGAIGIGCCACCAACTCCAAACCGACAACCCTGIAICTGAGCAIGCCTCAIGCCTC 289
                                                                                                                                                                                                                                                                                                                                                                                               114 NYSYNYNYSYNYNYSYNYNYSYNYNYSYNYNYSYNYNYSYNYNYSYNYNYSYNYN 155
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     214 NYSYNYNYSYNYNYSYNYNYSYNYNYSYNYNYSYNYNYSYNYNYSYNYNYSYNYN
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Sequence 17, Application US/09244796

Patent No. 6281344

Sequence 17. Application US/09244796

Patent No. 6281344

Septicant: Scottak, Jack W.

APPLICANT: Scottak, Richard W.

APPLICANT: Los Richard W.

APPLICANT: Los Richard W.

TITLE OF INVENTION: FELECTION OF PROTEINS USING RNA-PROTEIN

TITLE OF INVENTION: FUSIONS

FILE REFERENCE: 00786/350007

CURRENT APPLICATION NUMBER: 00/035,963

EARLIER APPLICATION NUMBER: 60/044,491

EARLIER FILING DATE: 1997-01-27

EARLIER FILING DATE: 1997-01-66

EARLIER APPLICATION NUMBER: 60/064,491

EARLIER APPLICATION NUMBER: 09/007,005

EARLIER APPLICATION NUMBER: 09/007,005

SAPTIMENT FILING DATE: 1998-01-14

NUMBER OF SEQ ID NOS: 33

NUMBER OF SEQ ID NOS: 33

NUMBER OF SEQ ID NOS: 33
                                                                                                                                                                                             3.3%; Score 37; DB 3; Length 289;
10.6%; Pred. No. 0.049;
tive 75; Mismatches 86; Indels
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10.6%; Pred. No. 0.049;
tive 75; Mismatches 86; Indels
                                          OTHER INFORMATION: Translation template
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                                                        FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(289)
COTHER INFORMATION: n = A,T,C or G
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OTHER INFORMATION: n = A,T,C or G
ORGANISM: Artificial Sequence
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Best Local Similarity 10.6*
Matches 19; Conservative
                                                                                                                                                                                           Query Match
Best Local Similarity 10.6'
Matches 19; Conservative
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                      FEATURE:
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Gaps

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48; Indels

DB 4;

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963 GCGAGCGCATAAATTCTGATTCCTGCCTGCCTGCCGGACAATTTATCTTTGGGGAGGCGG
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; Sequence 32264, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dunca Milne Edwards, J.B.
; APPLICANT: Glordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT PAPLICATION NUMBER: US/09/513,999C
; CURRENT PILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                   DB 4; Length 53924;
                                                                                                                                                                                                                                                                                                                               48; Indels
                                                                                                                                                                                                                                                                                 Query Match
3.3%; Score 36.2; DE
Best Local Similarity 57.5%; Pred. No. 3;
Matches 65; Conservative 0; Mismatches
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 12948
LENGTH: 53924
                                                                                                                                                                                    ; LOCATION: (1)...(53924)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12948
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SOFTWARE: Patent.pm
SEQ ID NO 32264
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                                                                                                                                                                 NAME/KEY: misc_feature
LOCATION: (1)...(53924)
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc_feature
LOCATION: 26
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LOCATION: 353
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                                                                                                                  ORGANISM: Human
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                                                                                               TYPE: DNA
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APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF FILE REFERENCE: CLOO1307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT APPLICATION NUMBER: 06/241,755
PRIOR PELIGN DATE: 2000-10-20
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FASELSEQ for Windows Version 4.0
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APPLICANT: VENTER, J. Craig et al.
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REPERENCE: CLOO1307
CURRENT APPLICATION NUMBER: uS/09/949,016
CURRENT PILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR PILING DATE: 2000-10-20
PRIOR PILING DATE: 2000-10-09
PRIOR PILING DATE: 2000-10-09
PRIOR PILING DATE: 2000-10-09
                                                                                                                                                            44530 GGGAGTCCACAGAAAATGGGGCCTCACTGACTGCTTGTCCAGGTATCTCAGTGGGAAGGA 44589
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                                                                                                                  963 GCGAGCGCATAAATTCTGATTCCTGCCTGCCTGCCGGACAATTTATCTTTGGGGAGGCGG 1022
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                                                                                                                                                                                                             1023 GCCGGGATTGGAGACAGAGCCCACAAGGCAACAAGTGCGCGTGAGAAT 1075
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3.3%; Score 36.2; DB 4; Length 53924;
Best Local Similarity 57.5%; Pred. No. 3;
Matches 65; Conservative 0; Mismatches 48; Indels 0;
                        DB 4; Length 53915;
                                                                    Indels
                                                                      48;
                     Score 36.2; DB
Pred. No. 3;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                         Sequence 12947, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 12948, Application US/09949016
Patent No. 6812339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ) LOCATION: (1)._.(53924)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12947
                     Query Match 3.3%;
Best Local Similarity 57.5%;
Matches 65; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                   US-09-949-016-12947
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LENGTH: 53924
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; LOCATION: (1)..(1141)
; OTHER INFORMATION: consensus sequence of A.t., L.a., and B.n. FAE1 promoters
US-09-806-708B-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                 963 GCGAGCGCATAAATTCTGATTCCTGCCTGCCGGACAATTTATCTTTGGGGAGGCGG 1022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 272 GGGAGTCCACAGAAAAGGGGCCTCACTGACTGCTTGTCNAGGTATCTCAGTGGGAGGGA 331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              157 GTTTGAGCCGCAATTTTTTACATTTTATGGCGATGGCGTCAGGCGTTTATCTAGGCGTC 216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            833 GTINNINNINNINNAYAWWTINKWYYTTDDRWRBAYTINNINNINNINNAYYGAYADDYAYYMSDTC 892
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          217 TGGGAGGGTACATTTGAAGATGTGCCACCAACTCCAAACCGACAACCCTGTATCTGAGCA 276
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          277 TGCCTCATGCCTCTTCATGCCTCCCTTTGGGTGAGGTCATGTGCCCTTGGCGGCGAG 336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              337 IGGCTICCCGTTIAGAGCAAGTATAATAAGTCCTAGTCAGCTGGCTATAAGAIGTTCCAC 396
                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 22, Application US/09806708B
Patent No. 6784342
GENERAL INFORMATION:
APPLICANT: The University of British Columbia
APPLICANT: The University of Embryonic Transcription in Plants
FILE REFERENCE: 4810-58741
CURRENT APPLICATION NUMBER: US/09/806,708B
CURRENT FILING DATE: 2010-04-03
PRIOR APPLICATION NUMBER: US 60/147,133
PRIOR FILING DATE: 1999-08-04
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.0
SEQ ID NO 22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        332 ATGGGAGTGGGGAAATGGAGTNDTCAAGGCCACAAGACAGGCCGCCATAGAACT 384
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                                                                                                                                                                                                                                                                                                                                                   Score 35.8; DB 4; Length 460;
Pred. No. 0.17;
0; Mismatches 49; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     397 ATCAGCAAATCCTTAAA 413
OTHER INFORMATION: d=a or g or
                                                                                                                                                           LOCATION: 459

COTHER INFORMATION: k=g or t
FEATURE:

NAME/KEY: misc_feature

LOCATION: 460

COTHER INFORMATION: y=c or t
US-09-513-999C-32264
                                                                                                                                                                                                                                                                                                                                                     3.2%;
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                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 56.65
Matches 64; Conservative
                                           NAME/KEY: misc_feature
LOCATION: 458
OTHER INFORMATION: y=c or
                                                                                                                                     NAME/KEY: misc_feature
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US-09-806-708B-22
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Db 1073 AWRWRWGKATCYMTDNA 1089
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Search completed: August 29, 2005, 00:07:34 Job time : 237 secs